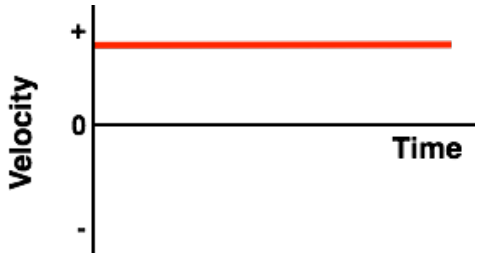
Velocity-Time Graphs

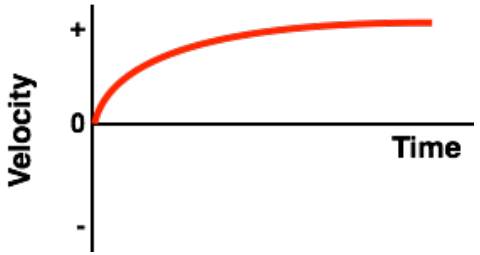
Apprentice Difficulty Level – Question Groups 1-4

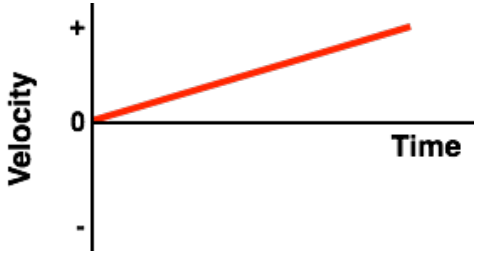
Question Group 1

Question 1

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving with a **constant velocity**. Tap on all that apply.

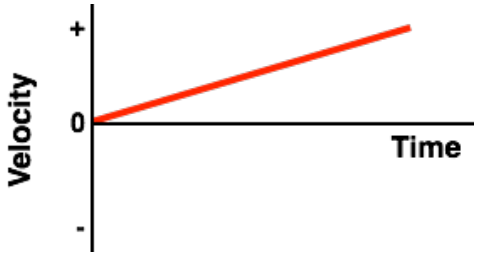


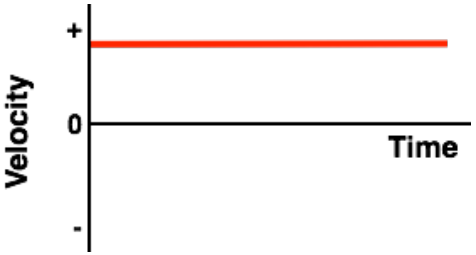


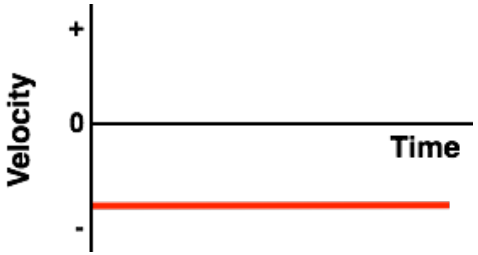


Question 2

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving with a **constant velocity**. Tap on all that apply.

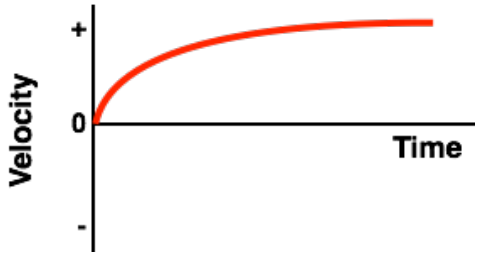


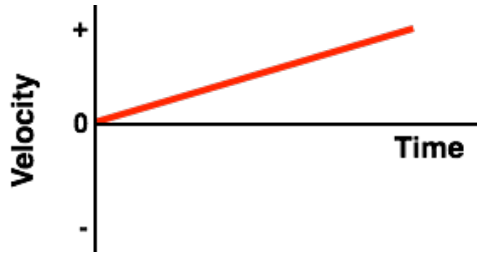


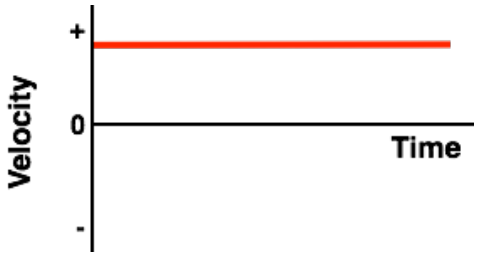


Question 3

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving with a **constant velocity**. Tap on all that apply.



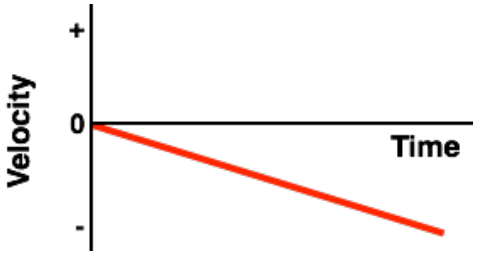


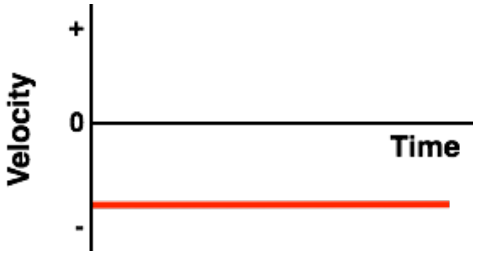


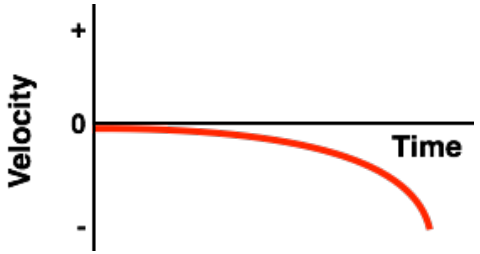
Question Group 2

Question 4

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving **in the negative direction** with a **constant velocity**. Tap on all that apply.

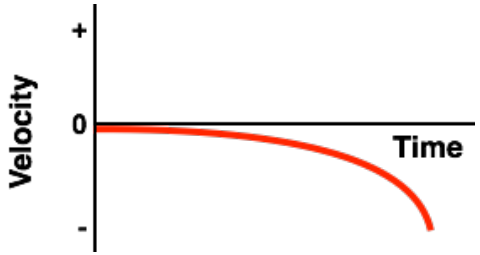


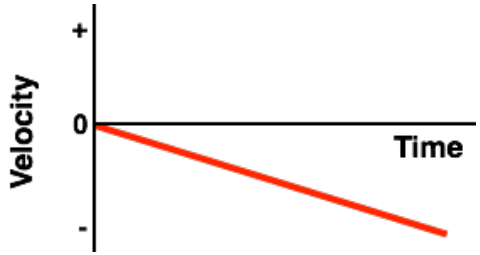


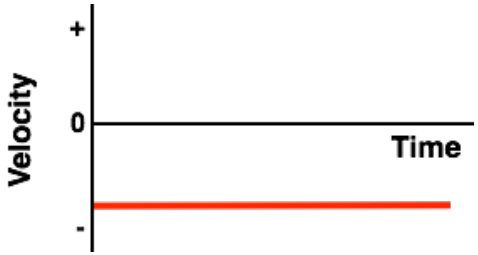


Question 5

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving **in the negative direction** with a **constant velocity**. Tap on all that apply.

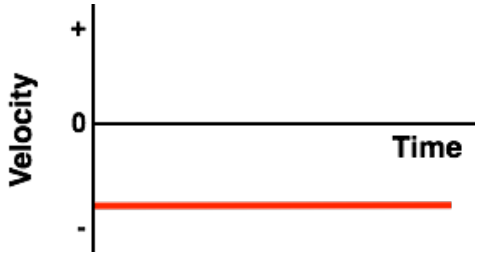


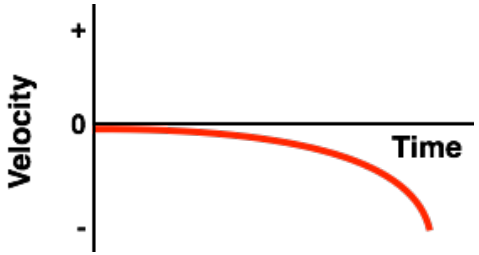


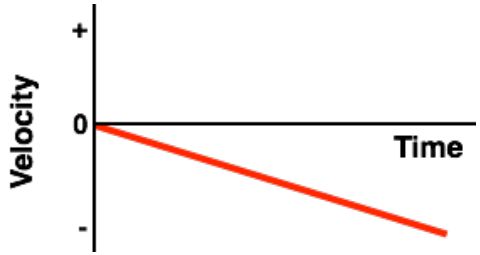


Question 6

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving **in the negative direction** with a **constant velocity**. Tap on all that apply.



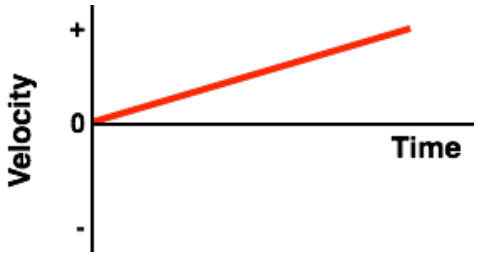


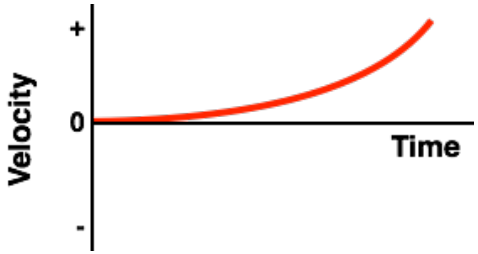


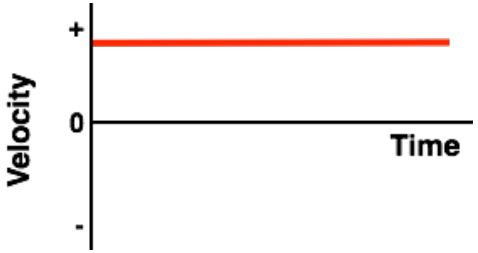
Question Group 3

Question 7

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving **in the positive direction** with a **constant velocity**. Tap on all that apply.

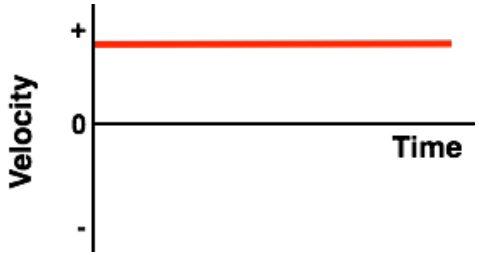


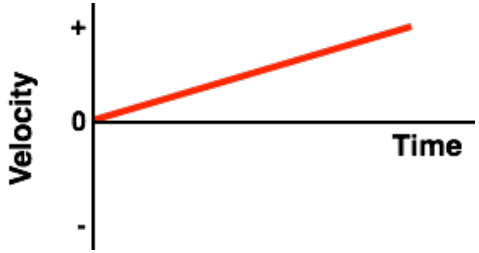


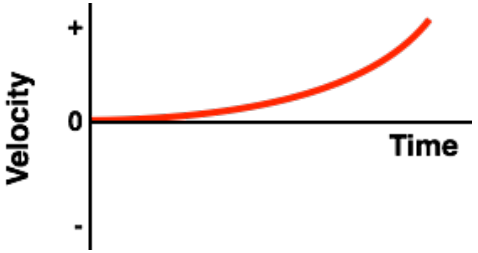


Question 8

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving **in the positive direction** with a **constant velocity**. Tap on all that apply.

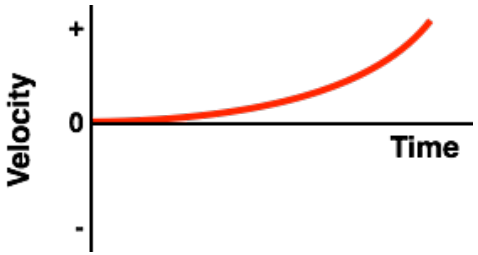


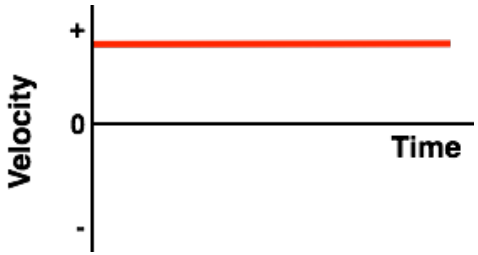


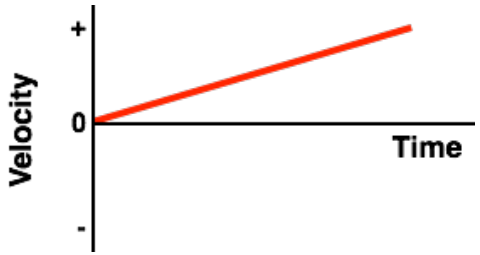


Question 9

The velocity-time graphs represent the motion of three different objects. Identify any object that is moving **in the positive direction** with a **constant velocity**. Tap on all that apply.



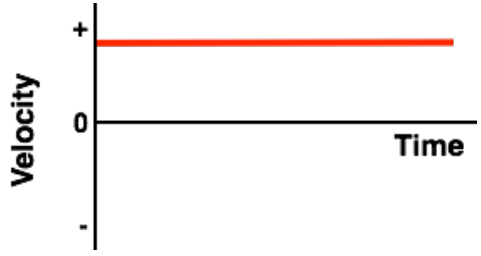


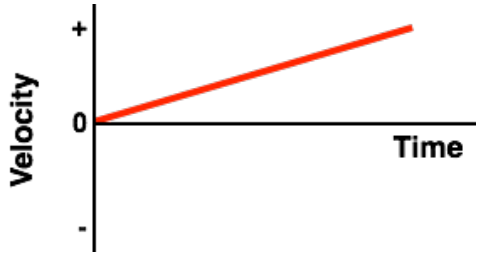


Question Group 4

Question 10

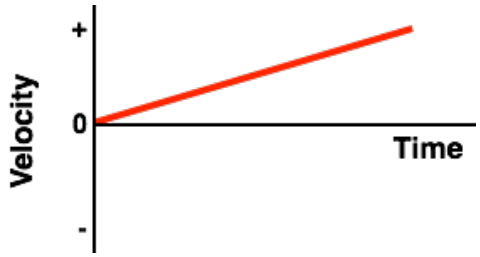
The velocity-time graphs represent the motion of three different objects. Identify any object that is stationary or **not moving**. Tap on all that apply.

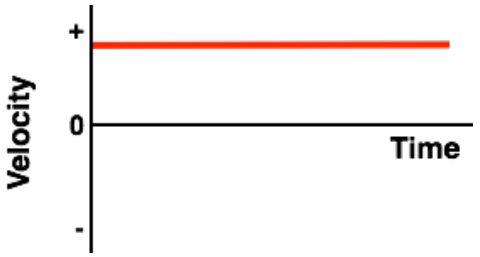




Question 11

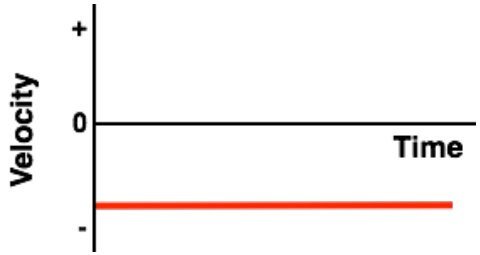
The velocity-time graphs represent the motion of three different objects. Identify any object that is stationary or **not moving**. Tap on all that apply.

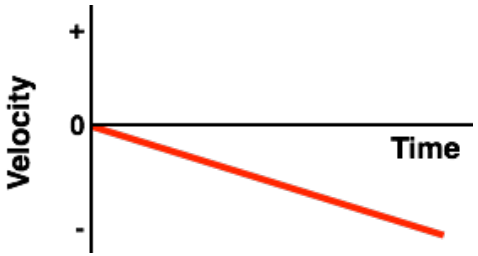




Question 12

The velocity-time graphs represent the motion of three different objects. Identify any object that is stationary or **not moving**. Tap on all that apply.



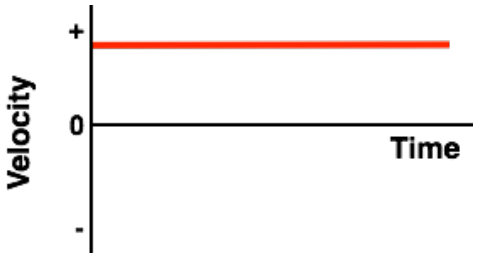


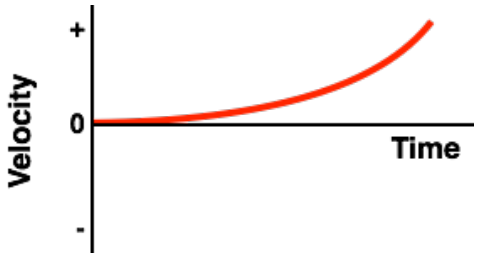
Master Difficulty Level – Question Groups 1-8

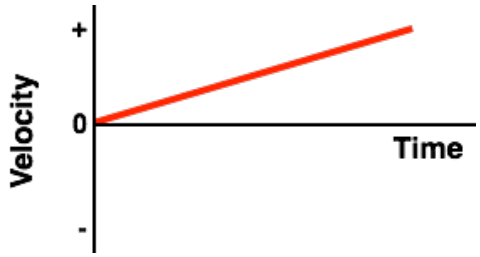
Question Group 5

Question 13

The velocity-time graphs represent the motion of three different objects. Identify any object that is **changing its velocity** or **accelerating**. Tap on all that apply.

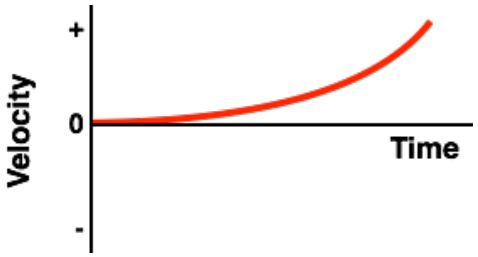


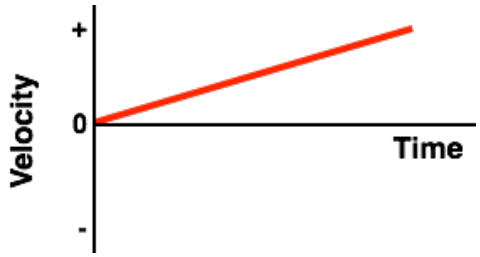


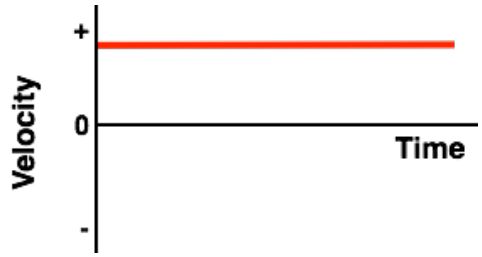


Question 14

The velocity-time graphs represent the motion of three different objects. Identify any object that is **changing its velocity** or **accelerating**. Tap on all that apply.

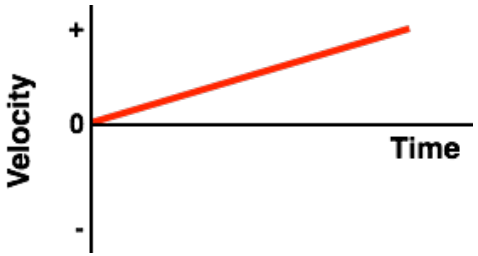


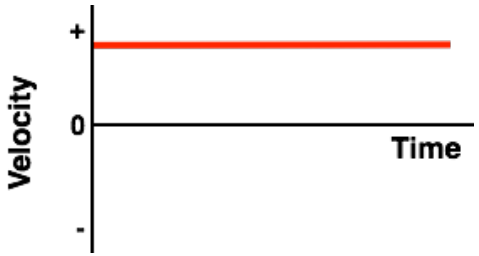


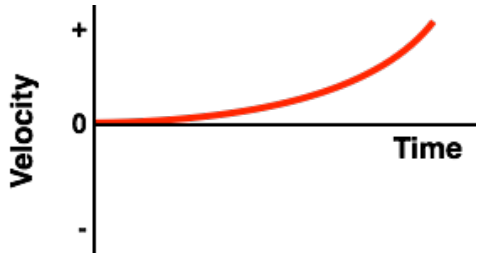


Question 15

The velocity-time graphs represent the motion of three different objects. Identify any object that is **changing its velocity** or **accelerating**. Tap on all that apply.



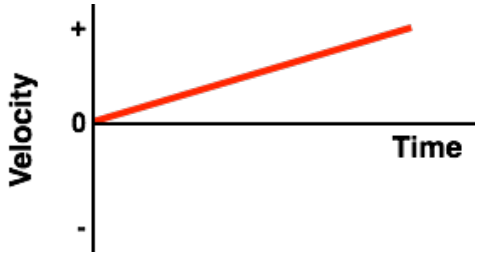


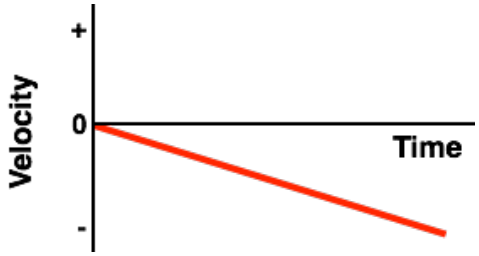


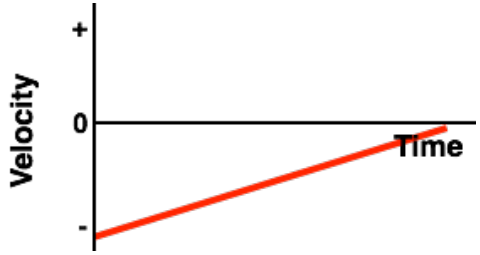
Question Group 6

Question 16

The velocity-time graphs represent the motion of three different objects. Identify any object that is **getting faster** or **speeding up**. Tap on all that apply.

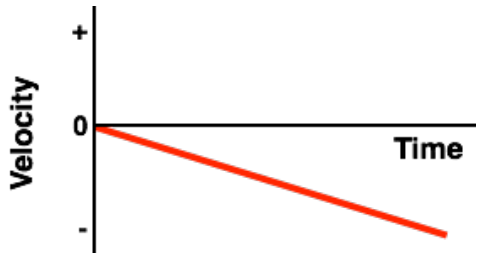


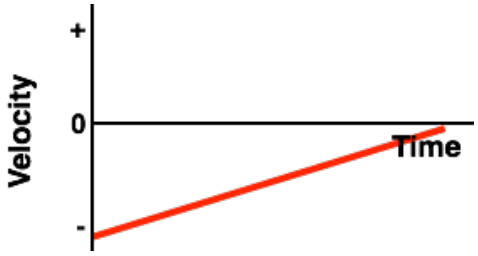


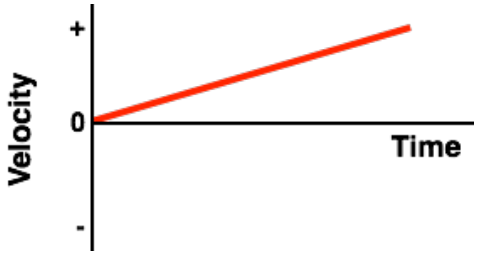


Question 17

The velocity-time graphs represent the motion of three different objects. Identify any object that is **getting faster** or **speeding up**. Tap on all that apply.

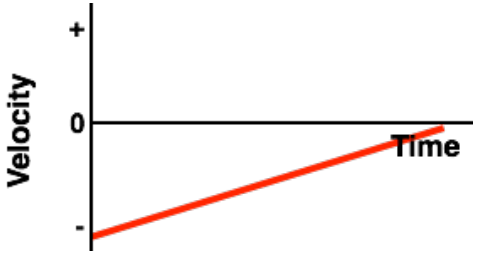


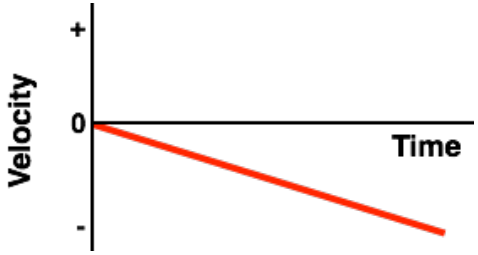


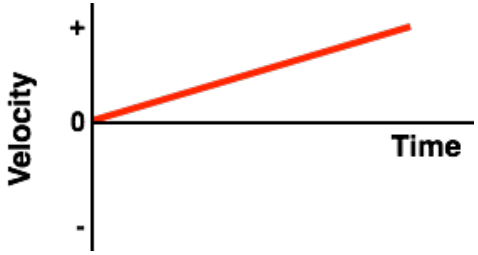


Question 18

The velocity-time graphs represent the motion of three different objects. Identify any object that is **getting faster** or **speeding up**. Tap on all that apply.



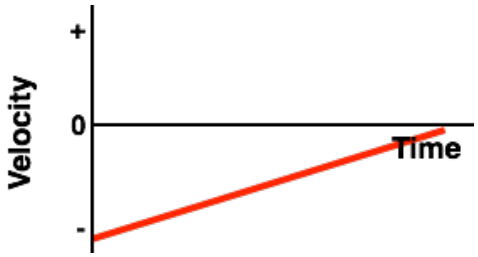


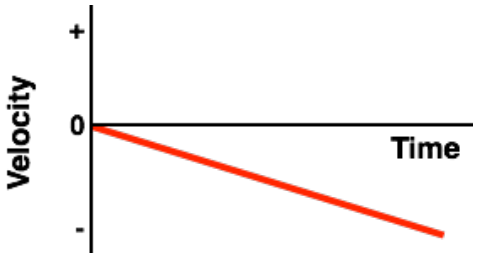


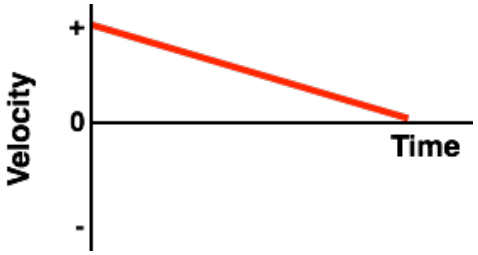
Question Group 7

Question 19

The velocity-time graphs represent the motion of three different objects. Identify any object that is **getting slower** or **slowing down**. Tap on all that apply.

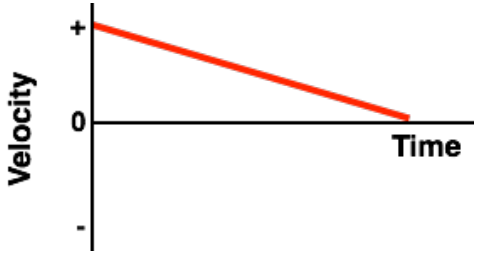


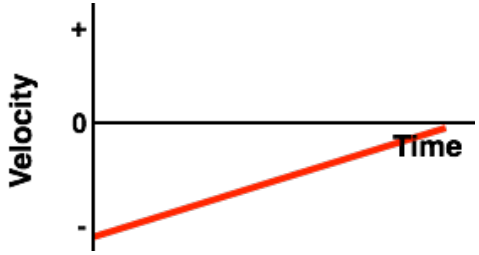


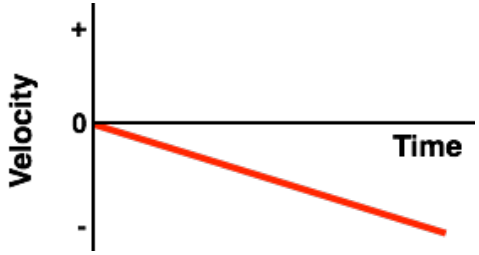


Question 20

The velocity-time graphs represent the motion of three different objects. Identify any object that is **getting slower** or **slowing down**. Tap on all that apply.

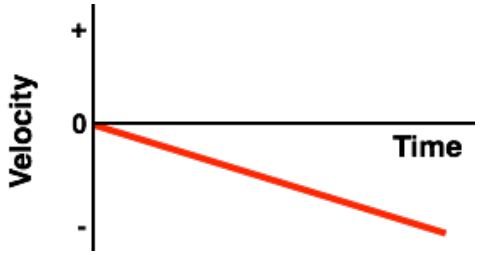


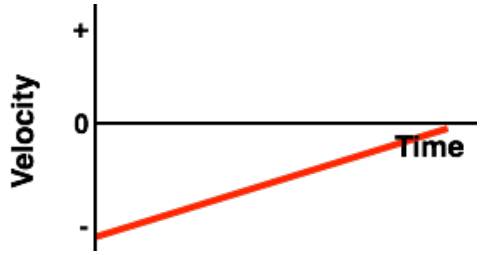


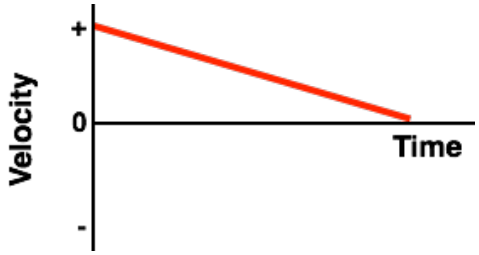


Question 21

The velocity-time graphs represent the motion of three different objects. Identify any object that is **getting slower** or **slowing down**. Tap on all that apply.



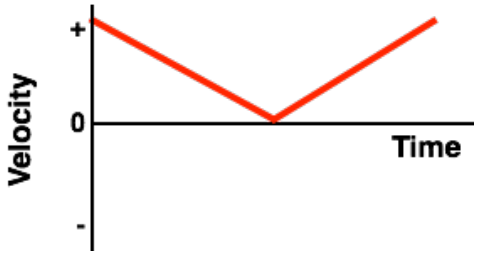


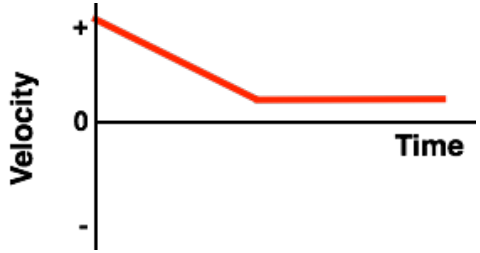


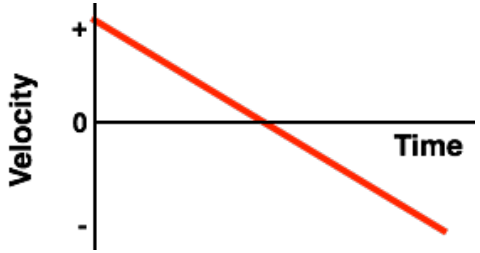
Question Group 8

Question 22

The velocity-time graphs represent the motion of three different objects. Identify any object that is **changing directions**. Tap on all that apply.

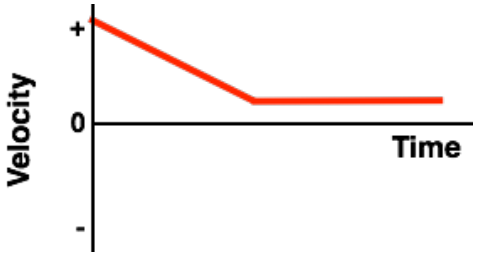


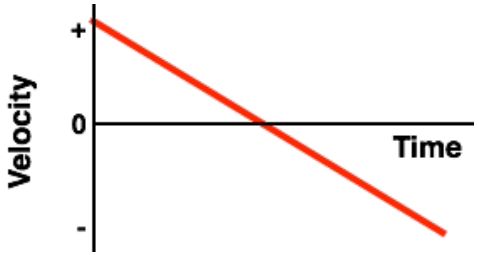


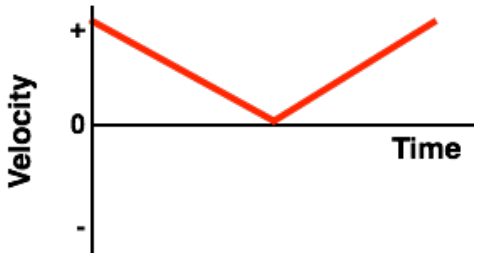


Question 23

The velocity-time graphs represent the motion of three different objects. Identify any object that is **changing directions**. Tap on all that apply.

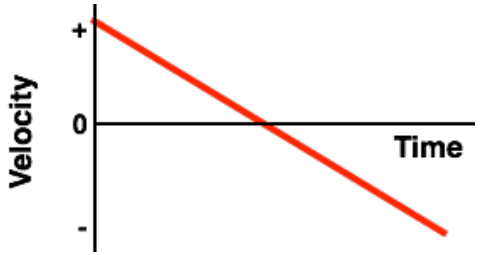


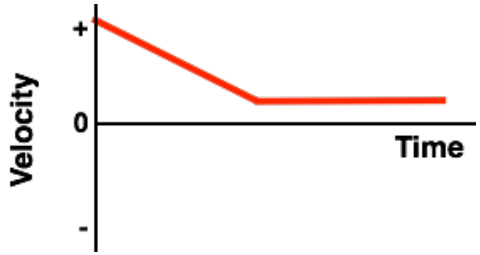


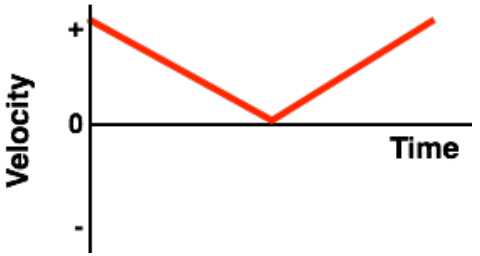


Question 24

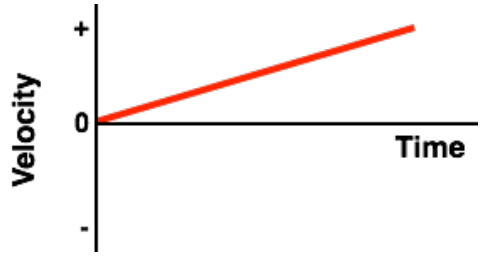
The velocity-time graphs represent the motion of three different objects. Identify any object that is **changing directions**. Tap on all that apply.

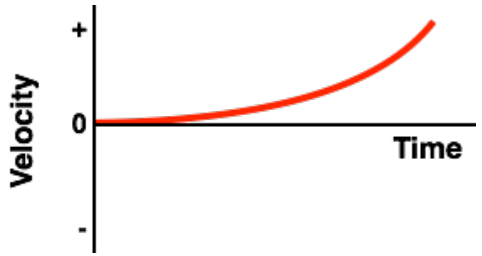


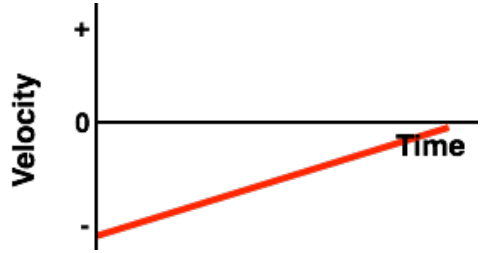


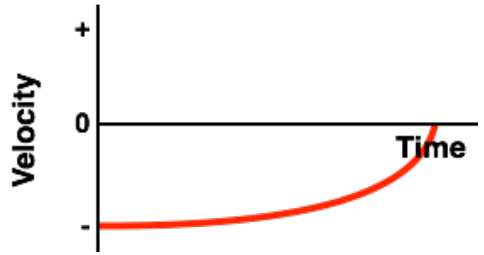


Wizard Difficulty Level – Question Groups 5-12
Question Group 9
Question 25
The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the + direction** and **speeding up**. Tap on all that apply.



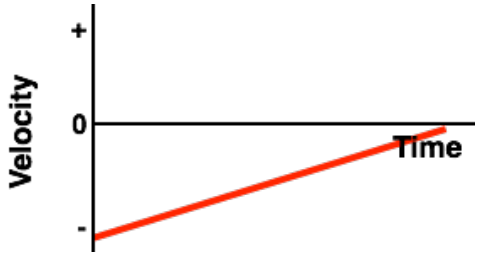


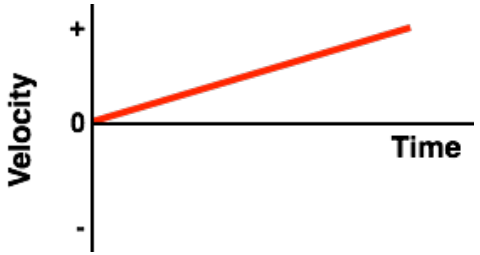


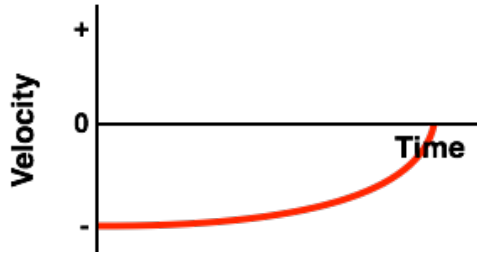


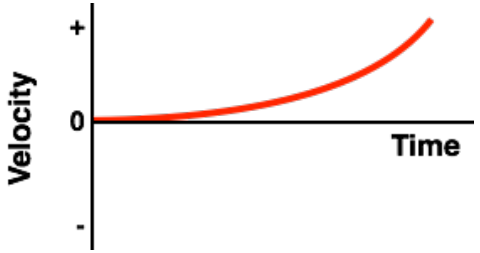
Question 26

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the + direction** and **speeding up**. Tap on all that apply.



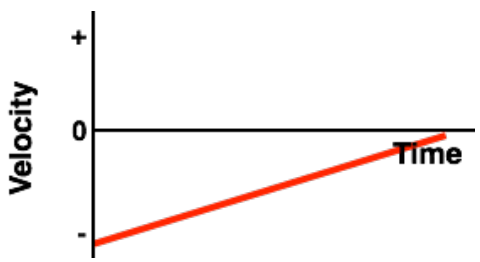


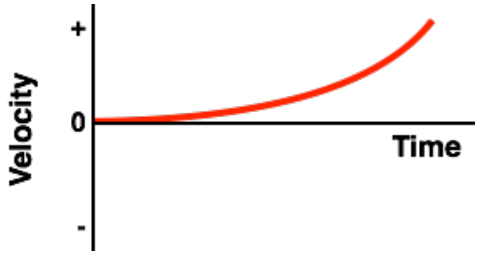


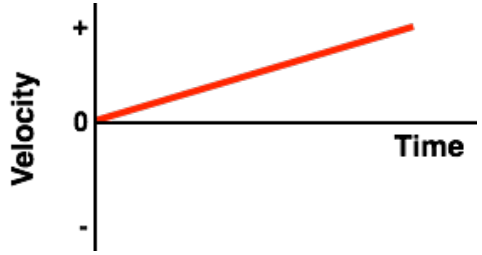


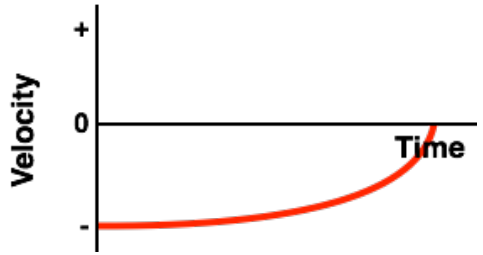
Question 27

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the + direction** and **speeding up**. Tap on all that apply.





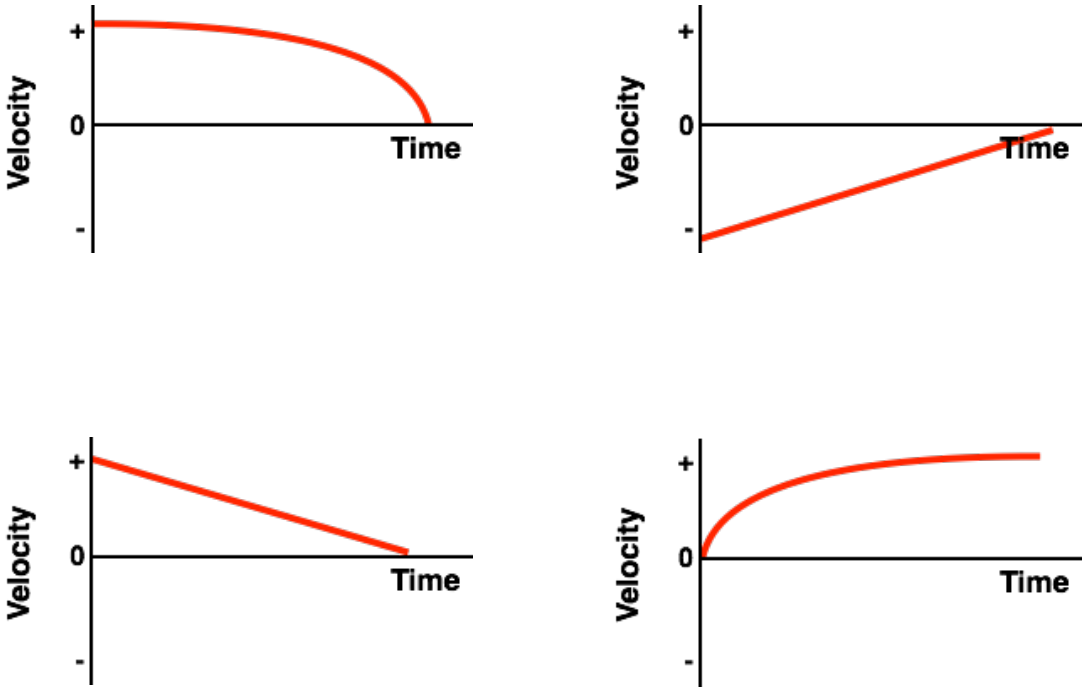




Question Group 10

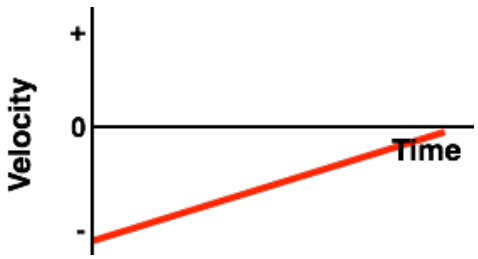
Question 28

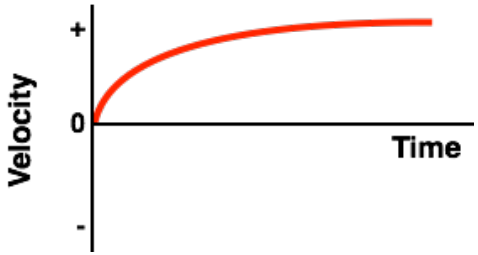
The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the + direction** and **slowing down**. Tap on all that apply.

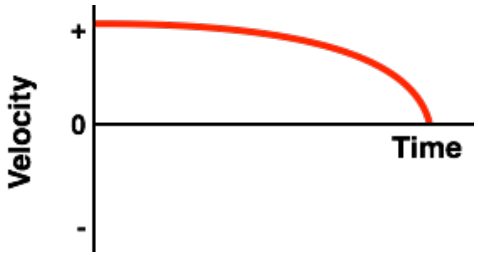


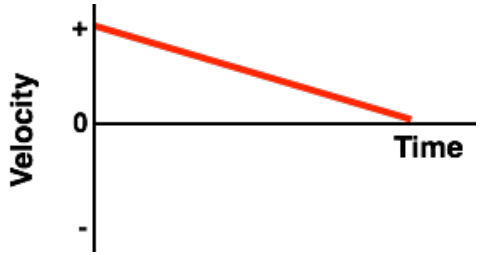
Question 29

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the + direction** and **slowing down**. Tap on all that apply.



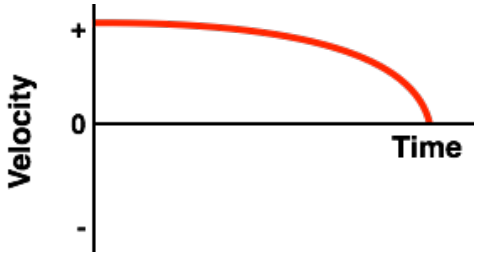


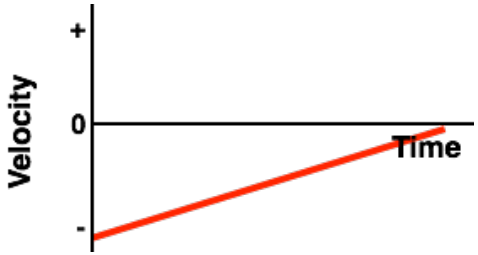


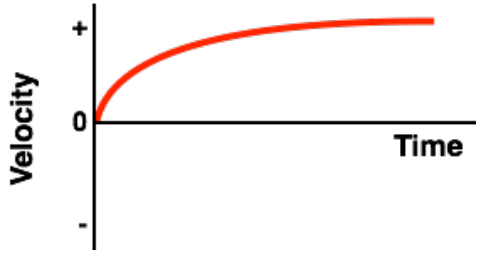


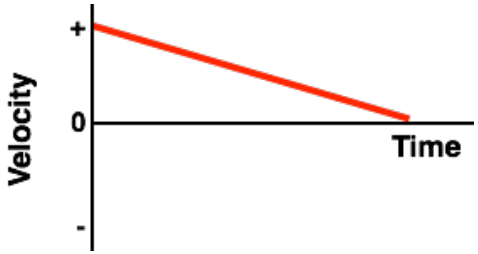
Question 30

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the + direction** and **slowing down**. Tap on all that apply.





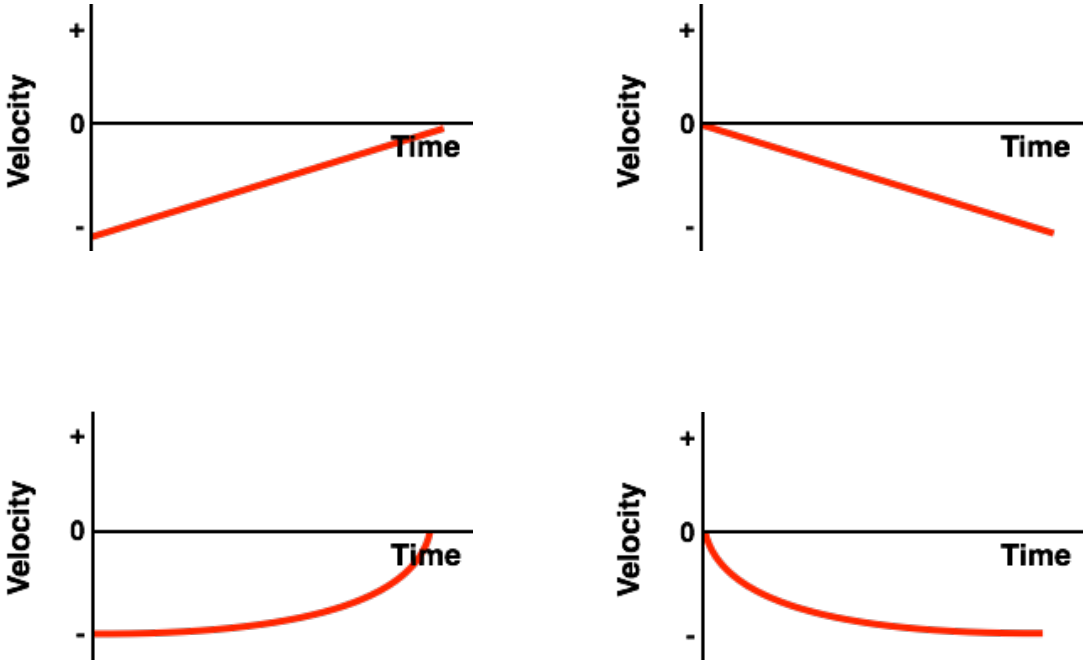




Question Group 11

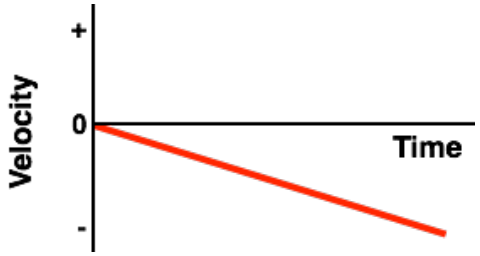
Question 31

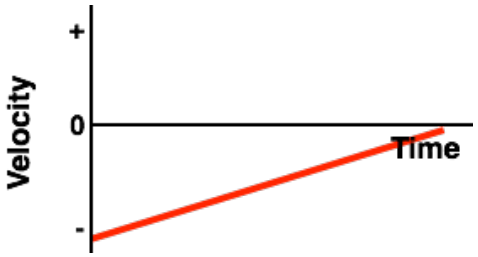
The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the - direction** and **speeding up**. Tap on all that apply.

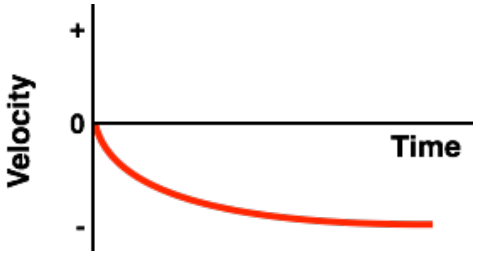


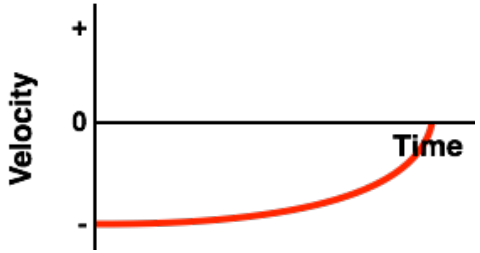
Question 32

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the - direction** and **speeding up**. Tap on all that apply.



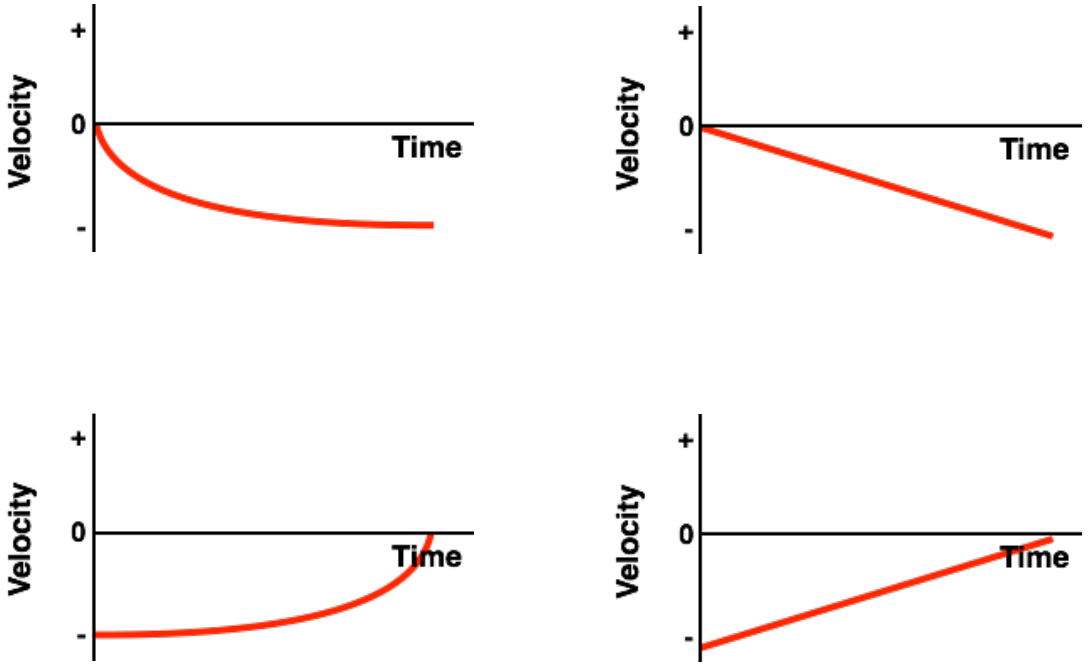






Question 33

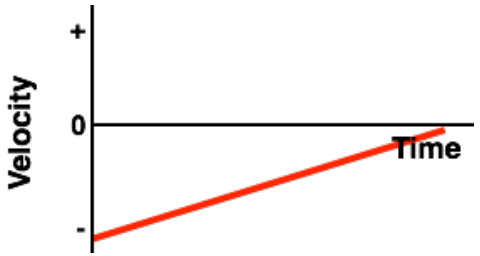
The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the - direction** and **speeding up**. Tap on all that apply.

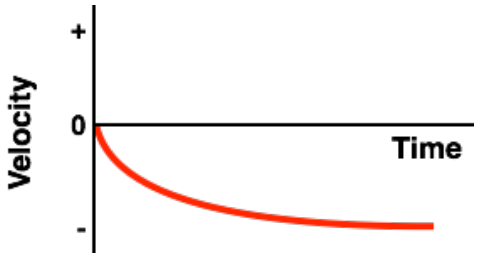


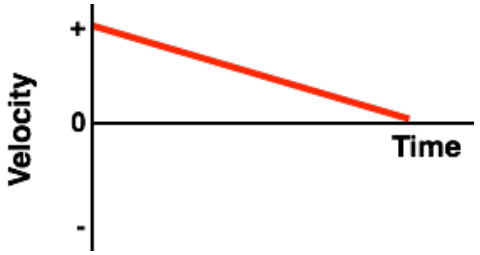
Question Group 12

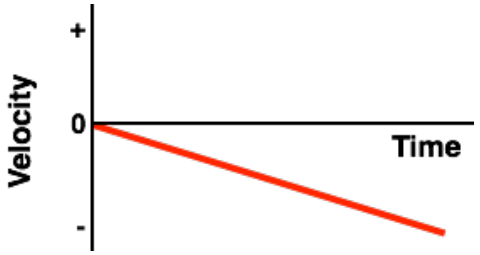
Question 34

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the - direction** and **slowing down**. Tap on all that apply.



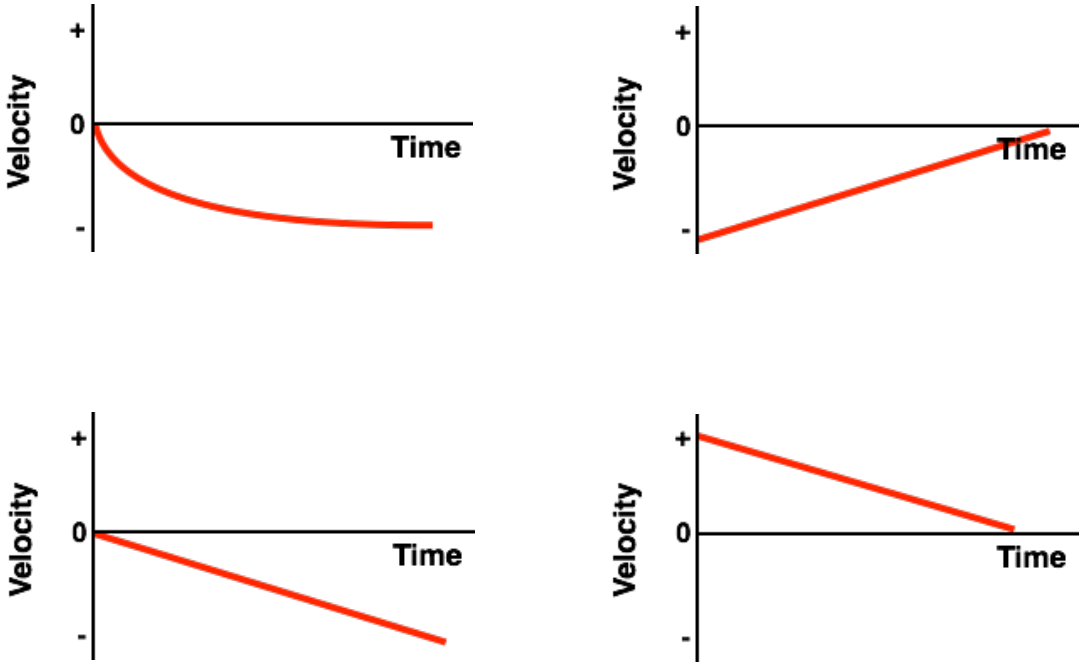






Question 35

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the - direction** and **slowing down**. Tap on all that apply.



Question 36

The velocity-time graphs represent the motion of four different objects. Identify any object that is **moving in the - direction** and **slowing down**. Tap on all that apply.