Conductors and Insulators

Apprentice Difficulty Level Question Group 1 Question 1

Object A is an insulator. It has a positive charge. It is touched to the ground. When the ground is pulled away, what charge does Object A have?



Question 2

Object A is an insulator. It has a negative charge. It is touched to the ground. When the ground is pulled away, what charge does Object A have?

Question Group 2 Question 3

Object A is a conductor. It has a positive charge. It is touched to the ground. When the ground is pulled away, what charge does Object A have?

Question 4

Object A is a conductor. It has a negative charge. It is touched to the ground. When the ground is pulled away, what charge does Object A have?

Question Group 3 Question 5

Object A is an insulator. It is neutral. It is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge does Object A have?







Object A is an insulator. It is neutral. It is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge does Object A have?

Question Group 4 Question 7

Object A is a conductor. It is neutral. It is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge does Object A have?



А

Question 8

Object A is a conductor. It is neutral. It is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge does Object A have?



Master Difficulty Level Question Group 5 Question 9

Object A is an insulator. Object B is a conductor. They are both neutral. Object B is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the two objects have?

Question 10

Object A is an insulator. Object B is a conductor. They are both neutral. Object B is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the two objects have?

Question 11

Object A is a conductor. Object B is an insulator. They are both neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the two objects have?

Question 12

Object A is a conductor. Object B is an insulator. They are both neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the two objects have?



Δ

в

В

B

А

A

Question Group 6 Question 13

Object A is a conductor. Object B is an insulator. They are both neutral. Object B is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?

Question 14

Object A is a conductor. Object B is an insulator. They are both neutral. Object B is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?



Question 15

Object A is an insulator. Object B is a conductor. They are both neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?



Question 16

Object A is an insulator. Object B is a conductor. They are both neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?



Question Group 7 Question 17

Object A and Object B are conductors. They are both neutral. Object B is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?



Question 18

Object A and Object B are conductors. They are both neutral. Object B is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?

Question 19

Object A and Object B are conductors. They are both neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?



Question 20

Object A and Object B are conductors. They are both neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the objects have?



А

Question Group 8 Question 21

Object A and Object B are insulators. They are both neutral. Object B is touched by a positively-charged, insulating sphere. When the sphere is pulled away, what charge do the objects have?

Question 22

Object A and Object B are insulators. They are both neutral. Object B is touched by a negatively-charged, insulating sphere. When the sphere is pulled away, what charge do the objects have?



В

Question 23

Object A and Object B are insulators. They are both neutral. Object A is touched by a positively-charged, insulating sphere. When the sphere is pulled away, what charge do the objects have?



Question 24

Object A and Object B are insulators. They are both neutral. Object A is touched by a negatively-charged, insulating sphere. When the sphere is pulled away, what charge do the objects have?



Question Group 9 Question 25

Object A is an insulator. Object B is a conductor. Object A is neutral. Object B has a positive charge. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 26

Object A is an insulator. Object B is a conductor. Object A is neutral. Object B has a negative charge. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?

Question 27

Object A is a conductor. Object B is an insulator. Object A has a positive charge. Object B is neutral. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?

Question 28

Object A is a conductor. Object B is an insulator. Object A has a negative charge. Object B is neutral. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?







Question Group 10 Question 29

Object A is an insulator. Object B is a conductor. Object A is neutral. Object B has a positive charge. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 30

Object A is an insulator. Object B is a conductor. Object A is neutral. Object B has a negative charge. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 31

Object A is a conductor. Object B is an insulator. Object A has a positive charge. Object B is neutral. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 32

Object A is a conductor. Object B is an insulator. Object A has a negative charge. Object B is neutral. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question Group 11 Question 33

Object A and Object B are conductors. Both Object A and Object B have a positive charge. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 34

Object A and Object B are conductors. Both Object A and Object B have a negative charge. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 35

Object A and Object B are conductors. Both Object A and Object B have a positive charge. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?

Question 36

Object A and Object B are conductors. Both Object A and Object B have a negative charge. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question Group 12 Question 37

Object A and Object B are insulators. Object A has a positive charge. Object B is neutral. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 38

Object A and Object B are insulators. Object A has a negative charge. Object B is neutral. Object B is touched to the ground. When the ground is pulled away, what charge do the two objects have?



Question 39

Object A and Object B are insulators. Object A is neutral. Object B has a positive charge. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?

Question 40

Object A and Object B are insulators. Object A is neutral. Object B has a negative charge. Object A is touched to the ground. When the ground is pulled away, what charge do the two objects have?





Wizard Difficulty Level Question Group 13 Question 41

Objects A and C are conductors. Object B is an insulator. All three are neutral. Object C is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 42

Objects A and C are conductors. Object B is an insulator. All three are neutral. Object C is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 43

Objects A and C are conductors. Object B is an insulator. All three are neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Objects A and C are conductors. Object B is an insulator. All three are neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question Group 14 Question 45

Object A is an insulator. Objects B and C are conductors. All three are neutral. Object C is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 46

Object A is an insulator. Objects B and C are conductors. All three are neutral. Object C is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Objects A and B are conductors. Object C is an insulator. All three are neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 48

Objects A and B are conductors. Object C is an insulator. All three are neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question Group 15 Question 49

Objects A and B are conductors. Object C is an insulator. All three are neutral. Object C is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Objects A and B are conductors. Object C is an insulator. All three are neutral. Object C is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 51

Object A is an insulator. Objects B and C are conductors. All three are neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 52

Object A is an insulator. Objects B and C are conductors. All three are neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question Group 16 Question 53

Objects A and C are insulators. Object B is a conductor. All three are neutral. Object C is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 54

Objects A and C are insulators. Object B is a conductor. All three are neutral. Object C is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question 55

Objects A and C are insulators. Object B is a conductor. All three are neutral. Object A is touched by a positively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Objects A and C are insulators. Object B is a conductor. All three are neutral. Object A is touched by a negatively-charged, conducting sphere. When the sphere is pulled away, what charge do the three objects have?



Question Group 17 Question 57

Objects A and B are conductors. Object C is an insulator. Objects A and B have a positive charge. Object C is neutral. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Question 58

Objects A and B are conductors. Object C is an insulator. Objects A and B have a negative charge. Object C is neutral. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Question 59

Object A is an insulator. Objects B and C are conductors. Object A is neutral. Objects B and C have a positive charge. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Object A is an insulator. Objects B and C are conductors. Object A is neutral. Objects B and C have a negative charge. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Question Group 18 Question 61

Object A is an insulator. Objects B and C are conductors. Object A is neutral. Objects B and C have a positive charge. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Question 62

Object A is an insulator. Objects B and C are conductors. Object A is neutral. Objects B and C have a negative charge. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Objects A and B are conductors. Object C is an insulator. Objects A and B have a positive charge. Object C is neutral. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?



Question 64

Objects A and B are conductors. Object C is an insulator. Objects A and B have a negative charge. Object C is neutral. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Question Group 19 Question 65

Objects A and C are conductors. Object B is an insulator. Objects A and C have a positive charge. Object B is neutral. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Objects A and C are conductors. Object B is an insulator. Objects A and C have a negative charge. Object B is neutral. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Question 67

Objects A and C are conductors. Object B is an insulator. Objects A and C have a positive charge. Object B is neutral. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Question 68

Objects A and C are conductors. Object B is an insulator. Objects A and C have a negative charge. Object B is neutral. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Question Group 20 Question 69

Objects A and C are insulators. Object B is a conductor. Objects A and C are neutral. Object B has a positive charge. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Objects A and C are insulators. Object B is a conductor. Objects A and C are neutral. Object B has a negative charge. Object C is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Question 71

Objects A and C are insulators. Object B is a conductor. Objects A and C are neutral. Object B has a positive charge. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?

Question 72

Objects A and C are insulators. Object B is a conductor. Objects A and B are neutral. Object B has a negative charge. Object A is touched to the ground. When the ground is pulled away, what charge do the three objects have?

