

## Atom Counting

### Apprentice Difficulty Level

#### Question Group 1

##### Question 1

How many total atoms of each element are present in the following formulas?



##### Question 2

How many total atoms of each element are present in the following formulas?



##### Question 3

How many total atoms of each element are present in the following formulas?



#### Question Group 2

##### Question 4

How many total atoms of each element are present in the following formulas?



##### Question 5

How many total atoms of each element are present in the following formulas?



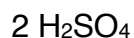
##### Question 6

How many total atoms of each element are present in the following formulas?



**Question Group 3****Question 7**

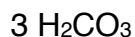
How many total atoms of each element are present in the following formulas?

**Question 8**

How many total atoms of each element are present in the following formulas?

**Question 9**

How many total atoms of each element are present in the following formulas?

**Question Group 4****Question 10**

How many total atoms of each element are present in the following formulas?

**Question 11**

How many total atoms of each element are present in the following formulas?

**Question 12**

How many total atoms of each element are present in the following formulas?

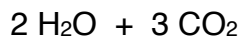


**Master Difficulty Level**

**Question Group 5**

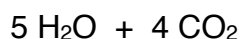
**Question 13**

How many total atoms of each element are present in the following formulas?



**Question 14**

How many total atoms of each element are present in the following formulas?



**Question 15**

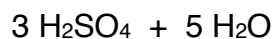
How many total atoms of each element are present in the following formulas?



**Question Group 6**

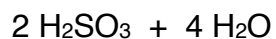
**Question 16**

How many total atoms of each element are present in the following formulas?



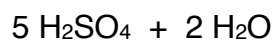
**Question 17**

How many total atoms of each element are present in the following formulas?



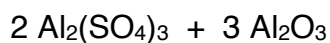
**Question 18**

How many total atoms of each element are present in the following formulas?

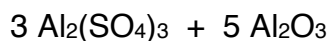


**Question Group 7****Question 19**

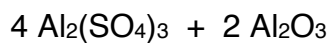
How many total atoms of each element are present in the following formulas?

**Question 20**

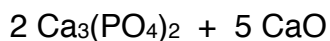
How many total atoms of each element are present in the following formulas?

**Question 21**

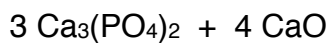
How many total atoms of each element are present in the following formulas?

**Question Group 8****Question 22**

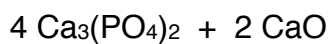
How many total atoms of each element are present in the following formulas?

**Question 123**

How many total atoms of each element are present in the following formulas?

**Question 24**

How many total atoms of each element are present in the following formulas?



**Wizard Difficulty Level**

**Question Group 9**

**Question 25**

How many total atoms of each element are present in the following formulas?



**Question 26**

How many total atoms of each element are present in the following formulas?



**Question 27**

How many total atoms of each element are present in the following formulas?



**Question Group 10**

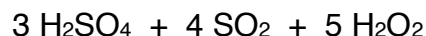
**Question 28**

How many total atoms of each element are present in the following formulas?



**Question 29**

How many total atoms of each element are present in the following formulas?



**Question 30**

How many total atoms of each element are present in the following formulas?



**Question Group 11****Question 31**

How many total atoms of each element are present in the following formulas?

**Question 32**

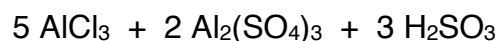
How many total atoms of each element are present in the following formulas?

**Question 33**

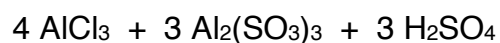
How many total atoms of each element are present in the following formulas?

**Question Group 12****Question 34**

How many total atoms of each element are present in the following formulas?

**Question 35**

How many total atoms of each element are present in the following formulas?

**Question 36**

How many total atoms of each element are present in the following formulas?

