

### Gases in the Atmosphere Exam Style Questions

1. Complete the table to show the 4 most common gases in the atmosphere and the approx. % of each gas in the atmosphere.

Gas	Approx. % in atmosphere

2. The apparatus below can be used to determine the % oxygen in the atmosphere.

Volume air in conical (cm <sup>3</sup> )	130
Volume air in tube (cm <sup>3</sup> )	12
Volume air in gas syringe at start (cm <sup>3</sup> )	92
Volume air in gas syringe at end (cm <sup>3</sup> )	43
Total volume air at start (cm <sup>3</sup> )	
Total volume oxygen used (cm <sup>3</sup> )	

Use the data in the table to calculate the % oxygen in the atmosphere.

3. Complete the word and balanced symbol equations to show the combustion of each of the elements.

a. Magnesium

b. Hydrogen

c. Sulfur