

A. Guess who?

1) Who am I?

- I am a colourless, odourless gas that is totally unreactive.
- I have low density and I am used to fill decorative balloons.
- I have a boiling point of -268.928°C

2) Who am I?

- I am a deep-red, oily liquid with a sharp smell.
- I was discovered by **Antoine-Jérôme Balard**.
- I have an atomic number which is 35.

3) Who am I?

- I am a black shiny, crystalline solid.
- I am derived from the Greek word 'iodes' meaning violet.
- I was discovered by **Bernard Courtois**.

4) Who am I?

- I have a density of 0.002898.
- I am a yellowy-green dense gas with a choking smell.
- I was used as a chemical weapon during the first world war.

5) Who am I?

- I am very pale yellow-green, dangerously reactive gas.
- I am used in CFC's and refrigerants.
- I burst into flames when exposed to steel wool.

6) Who am I?

- I am a lustrous, silvery-blue metal, and I am magnetic.
- I have a boiling point of 2927°C .
- I was discovered by **Georg Brandt**.

B. Match the following:

Family

Group number

1) Group no. 16

a. Halogens

2) Group no. 18

b. Alkali metal

3) Group no. 17

c. Noble gases

4) Group no. 1

d. Alkali earth metals

5) Group no. 2

e. Chalcogen family

C. Fill in the blanks

- 1) The chart that lists the elements in an organised way is called the _____.
- 2) The periodic table lists the elements according to _____.
- 3) Elements in the same row across belong to the same _____.
- 4) Elements in the same group or family share important _____.
- 5) There are _____ metals than non-metals.

A. Answer key: 1) Helium 2) Bromine 3) Iodine 4) Chlorine 5) Fluorine 6) Cobalt

B. Answer key: 3)-a, 4)-b, 2)-c, 1)-e, 5)-d

C. Answer keys: 1) periodic table, 2) increasing atomic number, 3) period, 4) properties, 5) more

