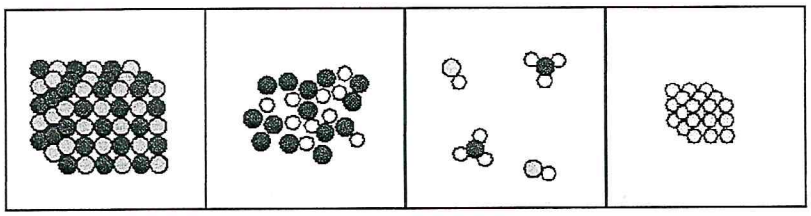


A B C D

a. Which of these are mixtures? B, C pure substances? A, D

Explain why you classified them this way:

B + C because they have different particles types

A + D because all particles are the same throughout

b. Which contain only compounds? A, C only elements B, D

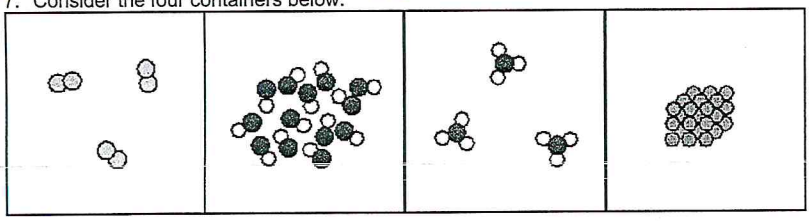
Explain why you classified them this way:

A + C they are made up of different types of elements

D is the same throughout

B is a mixture of elements

7. Consider the four containers below.



A B C D

a. Which of these are mixtures? none pure substances? A, B, C, D

Explain why you classified them this way:

They are all the same throughout so they are all pure substances.

b. Which contain only compounds? B, C only elements A, D

Explain why you classified them this way:

B + C are made of two different types

A + D are made of the same types.

8. Which of the containers in #7 contain a gas? A, C a liquid B a solid D

How do you know?

Gas (A, C) are far apart.

Liquid (B) are close, but not tight

Solid (D) is tightly packed and organized