

Matter - Homework 2

Q1. Substances can be classified as solids, liquids and gases.

(a) Draw a table to group the following substances as "solid", "liquid" or "gas". (2)

water, salt, wood, helium, paper, alcohol, sand, bleach, oxygen

(b) What word is used in Science to mean "solid, liquid or gas"? -. (1)

Q2. The following sentences describe the properties of unknown substances.
Decide if the substance described is a solid, liquid or gas.

no fixed shape but a fixed volume

a fixed shape and a fixed volume (2)

Q3. Complete the following pictures to show how particles are arranged in solids and liquids.

Solid



Liquid



(2)

Q4. Jodi squeezes a tennis ball in her hand.

(a) What happens to the particles inside the ball when she does this? (1)

(b) Explain why Jodi can change the shape of the tennis ball but could not change the size of a snooker ball by squeezing it (write your answer on the back of this sheet) (2)

Total: 10 marks