



Name:

Class:

Mark:/10 =

1 Write the correct words in the spaces to complete each sentence.

Use each of the following words. [2]

liquid	ice	faster	particles
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- a All materials are made of
- b Heating a solid makes the particles move
- c Melting causes a solid to change into a
- d An example of solidifying is when water changes to

2 Answer 'solid' or 'liquid' to the descriptions of how materials behave.

The first one has been done for you. [3]

- a A brick is an example. **Solid**
- b Particles are quite close together and not in a fixed shape.
- c Particles cannot move around.
- d Does not change shape.
- e Can change shape to fit a container.
- f Forms when a solid is heated.
- g Forms when a liquid is cooled.

3 Amina and Leah made ice cream. They mixed together milk, sugar and cocoa powder. [2.5]

They poured the mixture into a plastic container and put it in the freezer.

They took the container out of the freezer the next day.

a Which state was the mix in before it went into the freezer?

b Which state was the mix in after it came out of the freezer?

c Why did the mix change from one state to the other?

d Is this process called melting or solidifying?

e Why could Amina and Leah pour the ice cream mixture into the container before they put it in the freezer?

- 4 In class, we mixed together baking soda and vinegar in a bottle. Answer the questions below about the experiment. [2.5]



- a What two materials were mixed together in the bottle?

- b What happened to the balloon when the materials were mixed together?

- c What new substance was made?

- d Was this a physical process or a chemical reaction?

- e How do you know?

- THE END -

