



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

- All materials are made of _____.
- Heating a solid makes the particles move _____.
- Melting causes a solid to change into a _____.
- 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 brick is an example. **Solid**
- Particles are quite close together and not in a fixed shape. _____
- Particles cannot move around. _____
- Does not change shape. _____
- Can change shape to fit a container. _____
- Forms when a solid is heated. _____
- 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 -

