CAMBRIDGE International Education

Cambridge International School

Cambridge Primary Science 4

Check your progress Unit 3

Time allowance: 30 minutes

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

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 -