

## Student's Book p.89

### Practice Worksheet

I. Tick (✓) the correct box beside each sentence.

Substances are made up of particles.

True      False

Particles in a solid are constantly moving.

The particle model helps us explain why solids and liquids have different properties.

Flour can be poured like a liquid because its particles are not closely packed together.

New substances are formed during melting and freezing.

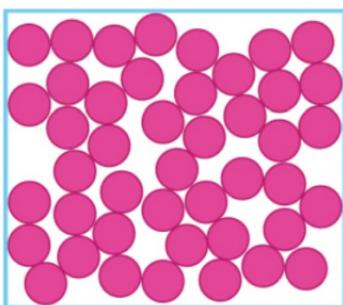
      

A chemical reaction takes place when substances react to form one or more new substances.

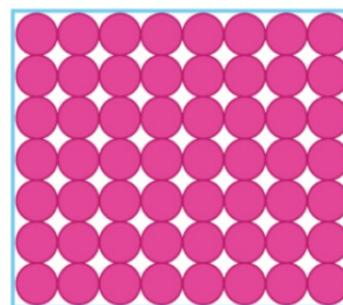
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(a) Particles are arranged differently in a solid and a liquid.

Write 'solid' or 'liquid' under each diagram.



liquid



solid

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(b) Which of these explains why liquids can change in shape?  
Circle the correct answer.

the particles are packed closely together

the particles can move around one another

the particles can vibrate

3. Emma leaves a piece of chocolate under the hot Sun.

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Complete the sentences about what is happening to the chocolate.  
Choose words from the following list.

chemical

freezing

liquid

melting

physical

solid

The chocolate is melting.

It is changing from a solid into a liquid.

This is a physical change because no new substance is formed.

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4. Which of these are physical changes and which are chemical changes?

Tick (✓) the correct boxes.

Change	Physical	Chemical
burning a matchstick		✓
melting butter	✓	
baking bread		✓
mixing salt and water	✓	