



SCIENCE REVISION PACK UNIT 1 - HUMANS AND ANIMALS WHAT HAVE YOU LEARNT?

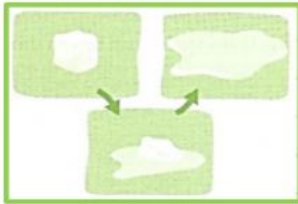
*Ms Raziya, Ms Celine &
Mr. Mohamed are
wishing you all the best!*

Name: _____

Year 4: _____

Q8. What is happening in the diagrams below?

- ◆ Water as a liquid is poured into the tray. It freezes in the freezer and changes to a solid.
- ◆ The ice cube is frozen but begins to melt. It changes from a solid to a liquid.
- ◆ The water in the kettle is boiling. Water vapour condense and change back to a liquid.



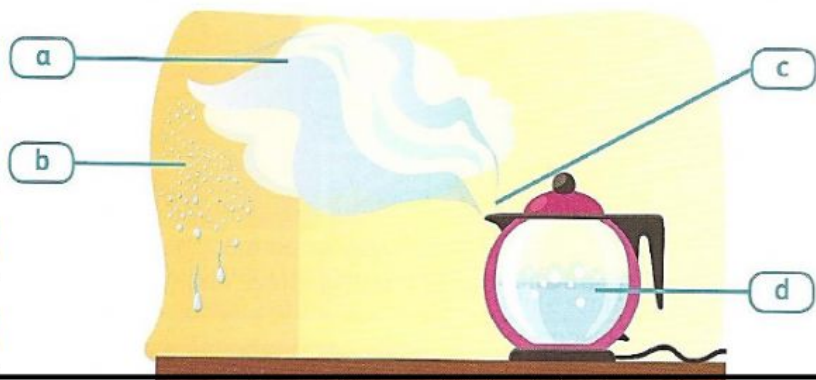




Q9. Match the correct word to the labels on the diagram:

Water vapour Condensation Boiling water Steam

- a. _____
- b. _____
- c. _____
- d. _____



Q10. Class 4 investigated: ‘Which substance melts the fastest?’

Here are some sentences from their report. Read the sentences. Which sentence is a:

	Conclusion	Prediction	Result
a.	<div></div>		We think the candle wax will melt the fastest.
b.	<div></div>		The butter melted in six seconds.
c.	<div></div>		The substance that melted fastest was butter.

Q11. Melting is the opposite of freezing.

- a. What must you do to change an ice cube into water?
- b. What must you do to change water into an ice cube?
- c. Is freezing reversible or irreversible?

Q12. Evaporation is the opposite of Condensation.

- a. What must you do to change water into water vapour?
- b. What must you do to change water vapour into water?
- c. Is Evaporation reversible or irreversible?

Q13. Answer the following questions:

- a. What is a reversible change?

- b. What is an irreversible change?

c. List two examples of reversible changes.

d. List two examples of irreversible changes.

Q14. Identify whether the changes below are reversible or irreversible:



Boiling water



Frying an egg



Breaking Glass



Making Lemonade



Rust on bike



Cutting paper



Fireworks



Breaking a pencil



Burning wood



Popping popcorn



Melting ice



Baking a cake

Q15. Label the parts of the candle below:

Liquid wax Wick Solid wax Flame



Q16. Ahmed and Ali found out that different materials melt at different temperatures. They did some research. Here is their table of results:

Melting points of everyday materials	
Substance	Temperature (°C)
candle wax	60
chocolate	35
glass	1400
gold	1336
ice	0
salt	800
silver coin	879
sugar	180

Look at the table of melting points of everyday materials. Use the information to answer these questions.

- Which material has the highest melting point? _____
- Which material has the lowest melting point? _____
- Which materials could be melted safely at school or at home?

- Which materials require the most heat to melt? _____
- If the temperature in a room is around 20 °C, which material would melt in the room? _____

❁❁ All the best! ❁❁