

OBHS Core Questions:




Subject: Science

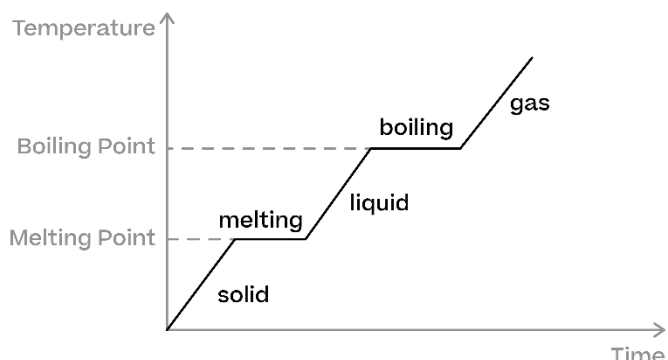
Year and Term: Year 7 Autumn Term

Topic: 7C1 Properties of Matter and Separating Mixtures



Learn these questions to build a strong foundation of knowledge for this half-term. Ask family or friends to test you regularly, or practise on your own using the 'Look, Say, Cover, Write' method.

Core Question	Answer
1. What is a particle?	A tiny object that makes up matter
2. Draw a particle diagram for a solid	
3. Draw a particle diagram from a liquid	
4. Draw a particle diagram for a gas.	
5. What is a state of matter?	Whether it is a solid, liquid or gas.
6. What is the name of the process of turning a solid into a liquid?	Melting
7. What is the name of the process of turning a liquid into a gas?	Evaporation
8. What is the name of the process of turning a liquid into a solid?	Freezing
9. What is the name of the process of turning a gas into a liquid?	Condensation
10. What is the name of the process of turning a solid into a gas?	Sublimation
11. What is a mixture?	Different substances together but not chemically joined.
12. Name four separation techniques	Filtration; crystallisation; chromatography; distillation
13. What does filtration separate?	Insoluble solid from a liquid
14. What does chromatography separate?	Mixture of soluble substances
15. Why is a pencil line used in chromatography?	So it doesn't run
16. True or false, sand and water are separated using chromatography.	False, filtration would be used
17. What does distillation separate?	Soluble solids from solution

18. What are the five main stages of distillation?	Heat, boil, evaporate, condense, collect
19. Which separation technique would be used to separate pure water from salt water?	Distillation
20. What is the definition of diffusion?	The movement of particles from a high concentration to a low concentration.
21. What is density?	The number of particles in a given volume
22. If there are lots of particles in a given volume in a substance, is it likely to be very dense or not very dense?	Very dense
23. Will dense objects sink or float?	Sink
24. What is an element?	A substance made up of only one type of atom
<p>25. On the heating curve below, what do the horizontal parts of the graph represent?</p> 	Changes of state