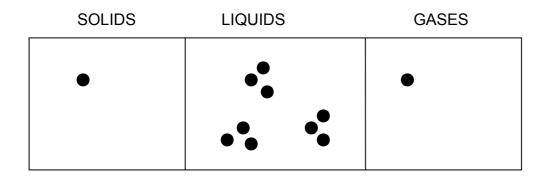
3 7	<b>States</b>	Ωf	Matter
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- 1. What takes up space and has mass? \_\_\_\_\_
- 2. List the three states of matter.
- 3. Draw particles in the spaces provided in the following diagram to show how molecules are arranged in the three states of matter.



- 4. In which state of matter do the particles move most easily? \_\_\_\_\_
- 5. In which state of matter do the molecules move least easily? \_\_\_\_\_
- 6. Match each description below with the relevant change of state by drawing lines between them.
- Gas changing to a liquid (i)
- Liquid changing to a gas (ii)
- Liquid changing to a solid (iii)
- Solid changing to a liquid (iv)

- (a) freezing
- (b) melting
- (c) evaporation
- (d) condensation
- 7. Air is made up of a mixture of gases. Using a labelled diagram, describe how you would show that it takes up space and has mass.

8. Using a diagram to show your idea, design an experiment to tes	st whether
salt affects the rate at which ice melts.	
(a) List what you need:	
(a) List what you need:	
(b) What measurements will you make?	
·	
(c) Predict what will happen in your experiment.	
(d) How accurate do you think your method will be?	