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| **Review Questions**1. **Copy and complete the following sentences:**
2. When one substance dissolves in another a \_\_\_\_\_\_\_\_\_ is formed. The substance which dissolves is the \_\_\_\_\_\_\_\_\_\_ and substance in which it dissolves is the \_\_\_\_\_\_\_\_\_\_\_\_.
3. \_\_\_\_\_\_\_\_\_ is the most common solvent. Any substance which does not \_\_\_\_\_\_\_\_\_\_\_ in a solvent is said to be \_\_\_\_\_\_\_\_\_\_\_\_\_\_ in that solvent.
4. Water in the solid state is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
5. To change steam to liquid water, you have to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ it.
6. At room temperature, water is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
7. If the temperature of water rises, it changes to a \_\_\_\_\_\_\_\_\_\_\_\_\_.
8. When a gas cools, it may change to a \_\_\_\_\_\_\_\_\_\_\_\_\_.
9. **What is the difference between a pure substance and a mixture? Give an example of each.** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
10. **What method of separation would you use for the following:**
11. Iron filings spilt on the floor and swept up with dirt.
12. Honey from honeycomb.
13. Ball bearings from a vat of oil in a car workshop.
14. Grading apples by size.
15. Water from wet clothes.
16. Salt and pepper.
17. Oil and water.
18. Polystyrene beads and metal bearings.
19. **Give two everyday examples for each of the following situations:**
20. Filtering a solid from a gas.
21. Filtering a solid from a liquid.
22. Filtering gas from the air.
23. **Make a list of household utensils and appliances which use a method of separation. State the method of separation used.**
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| 1. **Distillation is a method used to separate the liquid part of a mixture by evaporating the solvent, collecting the solvent vapour and then condensing it to form a liquid again.**

* 1. Why does steam become water as it passes through a condenser?
	2. Distillation uses two changes of state to separate and collect a liquid. What are these changes of state?
1. **Complete this sentence:**

**A solution of sugar in water is known to be saturated when** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.1. **Complete this crossword on this sheet.**

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