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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.** |
| 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.** | |