Lesson 13.2 Evaporation vs. Boiling

Evaporation: Alcohol vs. Water

1. Which will evaporate faster, **alcohol** on the **desk** or in your **hand**?

Prediction Observations

2. Explain why one surface causes the alcohol to evaporate faster than the other.

3. Which will evaporate faster, **alcohol or water** on the **desk**?

Prediction Observations

4. Explain why one liquid evaporated faster than the other on the same surface.

5. Define evaporation: (see Sci. Principle #16)

Boiling: Watching Water Heat Up

1. What are the small bubbles at the beginning of heating made of?

2. Will they appear if you boil the same water again? Why or why not?

3. What are the large bubbles that come next made of?

4. When the water is boiling, what temperature is it?

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5. If the water continues to boil, will it stay at that temperature or get hotter?

6. Define boiling point: (see Sci. Principle #17)

7. Why is boiling point considered to be a property?

8. What is the difference between boiling and evaporation?