🧪 Identify the Variables Worksheet

Directions: For each hypothesis below, underline the independent variable and circle the dependent variable, or write them in the spaces provided.

1. If a plant receives more water, then it will grow taller.
   - Independent Variable (IV): _____
   - Dependent Variable (DV): _____
2. If students sleep at least 8 hours the night before a test, then their test scores will improve.
   - IV: _____
   - DV: _____
3. If metal is heated, then it will expand in size.
   - IV: _____
   - DV: _____
4. If salt is added to water, then the boiling point of the water will increase.
   - IV: _____
   - DV: _____
5. If athletes drink a sports drink instead of water, then their performance will improve during exercise.
   - IV: _____
   - DV: _____
6. If the temperature increases, then ice will melt faster.
   - IV: _____
   - DV: _____
7. If music is played while studying, then memory recall scores will be higher.
   - IV: _____
   - DV: _____
8. If light intensity is increased, then photosynthesis will occur more rapidly.
   - IV: _____
   - DV: _____
9. If caffeine is consumed, then reaction time will decrease.
   - IV: _____
   - DV: _____
10. If soil pH is lowered, then the number of flowers a plant produces will decrease.
    - IV: _____
    - DV: _____