



# Scientific Method Worksheet



As you go through the scientific method, you:

- \* identify the problem
- \* refer to an authoritative source
- \* ask appropriate questions
- \* develop a hypothesis
- \* conduct experiments
- \* keep detailed records of methods & results
- \* report the experiment
- \* analyze the results
- \* develop a conclusion

**1. Purpose** Why are you doing this experiment?

What happens if you drop dry ice into water? What happens if you drop dry ice into soap water?

**2. Hypothesis** What do you think will happen during this experiment?

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**3. Materials** What do you need in order to do this experiment? Make a list:

1. Dry ice                      2. Pan                      3. Soap  
4. Beaker                      5. Water

**4. Procedures** What steps will you follow in this experiment?

1. Fill the beaker with ¼ full of water.
2. Drop dry ice into the water.
3. Record your observations.
4. Fill the beaker with ¼ full of water and add few drops of soap.
5. Drop dry ice into the soap water.
6. Record your observations.

**5. Observations** What changes occurred during the experiment? What did you see, hear, feel, taste, smell, notice, and observe?

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**6. Conclusions** What did you find out or learn from this experiment?

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