



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?

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?

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