Experimental Design Worksheet Scientific Method	Name Date
Definitions: Define the following words and concepts related to the scientific method.	
1. Hypothesis:	
2. Independent Variable:	
3. Dependent Variable:	
4. Control Group:	
5. Experimental Groups:	
6. Controlled Variables (Constants):	
7. Trials:	
Practice: Write a hypothesis for each of the statements and identify the variables, control group, and experimental group.  1. Cigarette smoking increases the risk of lung cancer.	
Hypothesis: If,	then
Independent Variable:	Dependent Variable:
Control Group:	Experimental Group:
2. Eating breakfast increases performance in school.	
Hypothesis: If,	then
Independent Variable:	Dependent Variable:
Control Group:	Experimental Group:
3. Hummingbirds are attracted to the color red.	
Hypothesis: If,	then
Independent Variable:	Dependent Variable:
Control Group:	Experimental Group:

4. Bats locate food using sound waves.