Experimental Design Worksheet Scientific Method

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. Constants:	
7. Trials:	
8. Variables (use a dictionary if necessary):	
Practice: Write a hypothesis for each of the stateme experimental group.	ents and identify the variables, control group, and
1. Cigarette smoking increases the risk of lung canc	er.
Hypothesis: If,	then
Independent Variable:	Dependent Variable:
Control Group:	Experimental Group:
2. Eating breakfast increases performance in school	ı.
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: