

Investigation and Experimentation

Name:

Microwave Madness

Period:

In the boxes below, describe what was done for each step of the scientific method for the Mythbusters' Microwave Madness experiment about the possible dangers of tanning beds.



| <u>STEP</u> | | <u>HINT</u> | <u>WHAT HAPPENED FOR THIS STEP</u> |
|---------------------|---------------|---|------------------------------------|
| ask a question | | <i>what question are they trying to figure out?</i> | |
| form a hypothesis | | <i>what do they predict will happen?</i> | If... then... because... |
| test the hypothesis | design a test | <i>how is the experiment set up?</i> | |
| | collect data | <i>what information might they write down?</i> | |
| analyze data | | <i>what were they comparing?</i> | |
| draw conclusions | | <i>what did the experiment prove?</i> | |
| communicate results | | <i>how did you learn about the experiment?</i> | |