Name: _____ Date: _____ Period: ____

Identify the Controls and Variables

Bart believes that mice exposed to microwaves will become extra strong (maybe he's been reading too much Radioactive Man). He decides to perform this experiment by placing 10 mice in a microwave for 10 seconds. He compared these 10 mice to another 10 mice that had not been exposed. His test consisted of a heavy block of wood that blocked the mouse food. He found that 8 out of 10 of the microwaved mice were able to push the block away. 7 out of 10 of the non-microwaved mice were able to do the same. 	**Identify the:** **1. Test (independent) Variable** **2. Outcome (Dependent) Variable** **3. The best hypothesis for Bart's experiment is:**

1. **A small furry animal with a long tail:**
2. **To put something somewhere, in a particular position, especially in a careful, firm, or deliberate way**
3. **To force to make something move away from, or away from its previous position**
4. **To think that someone or something is able to do (a particular action)**
5. **To become aware of something or to realize that it is the thing you were looking for; to discover**
6. **healthy with good muscles, able to do hard physical work, support a lot of weight or resist a lot of strain**
7. **To weigh a lot.**
8. **Material which forms the trunks and branches of trees**
9. **To come to be; to develop or grow into, to start to change into other characteristics**
10. **To be contained or inherent (in something) as a cause, effect, or characteristic**
11. **No natural protection against bad weather or enemies**
12. **To carry out or do, to fulfil or comply an action or process**

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