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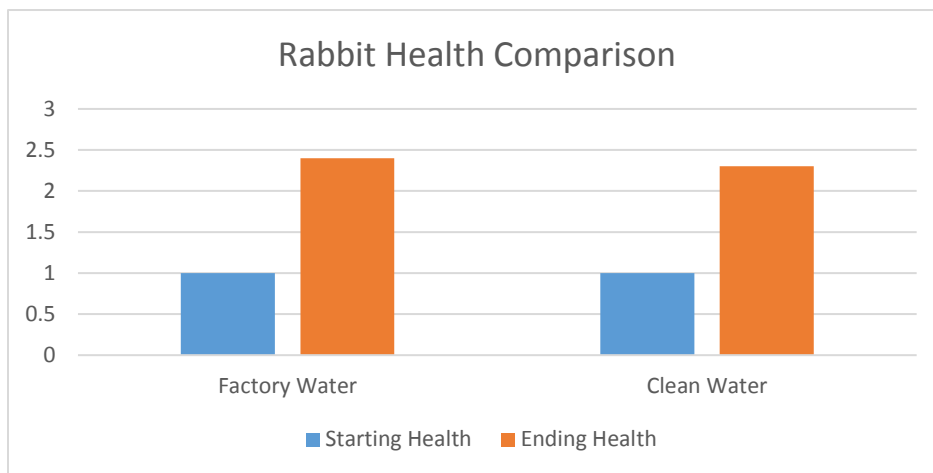
DATE:

EVALUATING EXPERIMENTS CLASSWORK 2

Read over each experiment. Answer the questions.

Dr. Tibbar was a veterinarian who noticed that a lot of local rabbits were getting sick. She examined the areas where they lived and found out that a nearby factory was leaking a substance into the stream near where the rabbits lived.

She gathered up 50 sick rabbits, and brought them to her hospital. For 3 months, she gave 25 rabbits fresh, clean water, and the other 25 water from the stream near the factory. She rated each rabbit's health from 1 (bad) to 3 (healthy). When she picked them up, all the rabbits were at a 1. This is what she learned after a month of her experiment.



Based on the results she got, she felt that the factory water was not making the rabbits sick. It must be something else.

1. Did Dr. Tibbar do a good job repeating the experiment many times? **EXPLAIN & INCLUDE EVIDENCE.**

2. Did Dr. Tibbar have a test and control group in this experiment? **EXPLAIN & INCLUDE EVIDENCE.**

3. What is the **DEPENDENT variable** in this experiment?



Brinity wanted to see if Mr. Walk's or Mr. Prez's pencil sharpener worked better. She tried to sharpen a Ticonderoga #2 pencil in Mr. Walk's sharpener, and it was pretty sharp. In Mr. Prez's pencil sharpener, she tried sharpening a blue Crayola colored pencil, and the point fell off.

She told her friend Shmae that Mr. Walk's pencil sharpener was "without a doubt" the best sharpener in the school.

4. Did Brinity do a good job repeating the experiment many times? **EXPLAIN & INCLUDE EVIDENCE.**

5. Did Brinity have a test and control group in this experiment? **EXPLAIN & INCLUDE EVIDENCE.**

6. Did Brinity keep all the conditions the same in this experiment? **EXPLAIN & INCLUDE EVIDENCE**

7. What was the **INDEPENDENT variable** in this experiment?



8. What is one thing Brinity could do to make this a more quality experiment?
EXPLAIN & INCLUDE EVIDENCE