Name: _____ Period: _____ Date:_____

Scientific Method Exit Quiz – Teacher Edition

Circle the **best** answer for each question.

1. What skill is a scientist using when she listens to the sounds that whales make?
    A. Interpreting data
    B. Making hypothesis
    C. Making observations
    D. Drawing conclusions

2. Which question would be answerable through a scientific experiment?
    A. How many giraffes live in Africa?
    B. Who made the first microscope?
    C. How long ago did dinosaurs live on Earth?
    D. Does the amount of salt in water affect the temperature at which it boils?

3. How many variables should be tested at a time to make the experiment a fair one?
    A. one
    B. two
    C. three
    D. as many as possible

4. A scientist hypothesizes the temperature at which an alligator's egg is incubated will determine whether the alligator will be male or female. What is the independent variable?
    A. the incubator
    B. the temperature
    C. the gender of the alligator
    D. the location of the incubation

5. What is the best thing to do if the hypothesis formulated does not answer the scientific problem?
    A. Scrap the hypothesis and restate the problem
    B. Restate the problem then retain the hypothesis
    C. Redo the experiment then restate the hypothesis
    D. Restate the hypothesis then finalize the results of the experiment

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