



Science

Name: ()

Class:

Date: / /

The Scientific Method – Experimental Design

Instructions

Design an experiment to determine whether honey bees are attracted more towards regular cola or diet cola.

1. What is your *hypothesis* for this experiment?

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2. What *assumptions* (if any) are you making about this experiment?

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3. What is the *independent* variable (input variable) for this experiment?

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4. What is the *dependent* variable (output variable) for this experiment?

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5. What is your *control* variable for this experiment?

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6. What variables need to be kept *constant* throughout this experiment?

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7. What do you need to *measure* during this experiment (what *data* / *evidence* do you need to collect)?

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