Name: Seat #: Date:
Living Environment Period:

1. CLASSWORK: Hypothesis Practice

EXPERIMENT 1:
One of Ms. Clark's favorite foods is microwave popcorn. She loves microwave popcorn so much that she can't stand to waste the un-popped kernels in the bottom of the bag.

One time when Ms. Clark went to the grocery store she bought all the types of microwave popcorn that the store had. With these types of popcorn she conducted an experiment.

Read the question that Ms. Clark was trying to answer with her experiment and then write a possible hypothesis for this experiment.

Scientific Question: Does the amount of butter on the popcorn kernels affect the number of kernels that pop?

Hypothesis: _____

_____

_____

_____

EXPERIMENT 2:
Kelly and Jack are playing in the park. Jack rolls a marble down the small playground slide.

Kelly proposes the idea that the marble would travel at a faster pace if it is rolled down the longer slide. This discussion leads to the following scientific question. *What happens to the speed a marble travels when the height of a ramp is changed?*

Read the question that Kelly and Jack were trying to answer with their experiment and then write a possible hypothesis for this experiment.

Hypothesis: _____

_____

_____

_____

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2. CLASSWORK: Variables Practice

EXPERIMENT 1 Review:

One time when Ms. Clark went to the grocery store she bought all the types of microwave popcorn that the store had. With these types of popcorn she conducted an experiment.

Scientific Question: Does the amount of butter on the popcorn kernels affect the number of kernels that pop?

Review the hypothesis that you created in the hypothesis practice. Identify the IV, DV, and constants that would be necessary to conduct this experiment AND have the results be VALID.

Independent variable: _____

Dependent variable: _____

Constants: _____

_____

EXPERIMENT 2 Review:

Kelly proposes the idea that the marble would travel at a faster pace if it is rolled down the longer slide. This discussion leads to the following scientific question. *What happens to the speed a marble travels when the height of a ramp is changed?*

Review the hypothesis that you created in the hypothesis practice. Identify the IV, DV, and constants that would be necessary to conduct this experiment AND have the results be VALID.

Independent variable: _____

Dependent variable: _____

Constants: _____

_____