

# Scientific Method Worksheet

For each of the examples below, find the independent variable, dependent variable, control(s), and constants; and then write an "If...then" hypothesis for the outcome.

1. Bailey wants to find out which frozen solid melts the fastest: soda, ice, or orange juice. She pours each of the three liquids into the empty cubes of an ice tray, and then places the ice tray in the freezer over night. The next day, she pulls the ice tray out and sets each cube on its own plate. She then waits and watches for them to melt. When the last part of the frozen liquid melts, she records the time.

Independent Variable:

Dependent Variable:

Control(s):

Constants:

Hypothesis:

2. Jack wants to find out which laundry detergent cleans the best. So, he takes a cotton sheet and cuts it up into equal squares. He stains four squares with chocolate, and four with grape juice. He washes one of each of the squares.

Monday:

- **Memorial Day Holiday**

May 18 - 22

Friday:

- **Biology EOCT**

Wednesday & Thursday:

- *EOCT Review: Test Prep w/ answers*
- *Movie: Bill Nye – Evolution or Darwin’s Dangerous Idea*

Tuesday:

- *EOCT Review: Test Prep w/ answers*

Monday:

- *Bellringer: Ch*

out whether or not Miracle Grow really makes plants grow faster. He takes  
p of dirt into each one, puts 3 pea plant seeds into each one, and tops each

3. Maverick wants to find  
two identical pots, puts ½ cu

- *CH 15, 17 & 18 Test make-ups*
- *Lab: Natural Selection Game*

May 11 - 15

Friday:

- **CH 15, 17 & 18 Test** (Including Dr. Thor

Wednesday & Thursday:

- **No Class - Congress**

Tuesday:

- *Handout: CH 15, 17 & 18 Test Review sh*

ison Fossils lesson)

ect