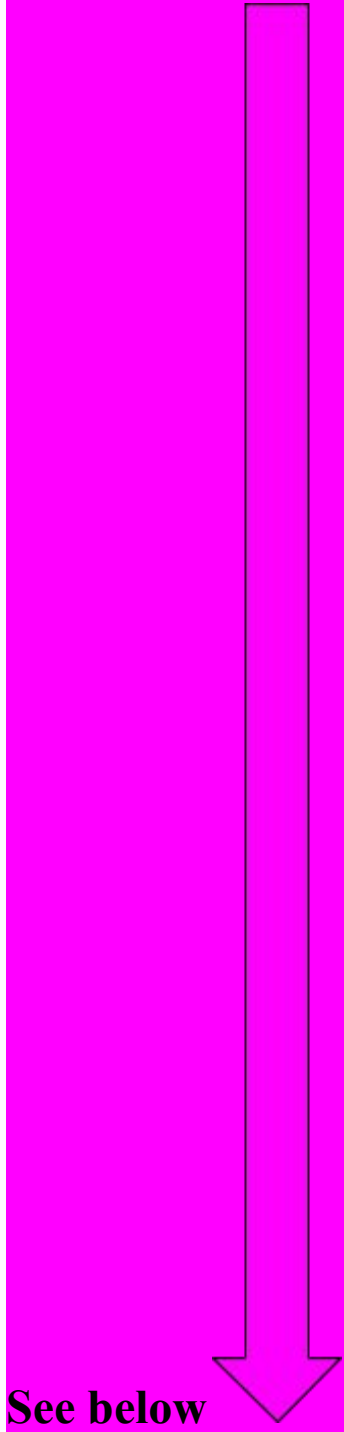


Study guide



See below

Scientific Method

C.2 Identifies the groups in a controlled experiment

C.3 Identifies variables and constants in controlled experiments

- a. **Vocab:**
- *Controlled Experiment*
 - *Control Group*
 - *Experimental group*
 - *Variable*
 - *Constants*
- b. IDENTIFY variable (treatment) and constants (and also results)
- c. IDENTIFY control group and experimental group

C.4 Identifies and makes qualitative and quantitative observations

- a. **Vocab:**
- *Observation*
 - *Qualitative observation*
 - *Quantitative observation*
- b. IDENTIFY examples of qualitative & quantitative observations
- c. MAKE qualitative & quantitative observations

C.5 Formulates measurable questions

- d. EXPLAIN the order and purpose of “Questions” in the scientific method
- e. CHANGE poor questions into measurable ones
- f. EXPLAIN why they must be measurable
- g. IDENTIFY what they measure, what tool, and what unit

C.6 Identifies and makes inferences

- h. **Vocab:**
- *Inference*
- i. MAKE inferences based on observations
- j. STATE alternate inferences

C.7 Formulates educated hypotheses

- k. EXPLAIN the order and purpose of “Hypothesis” in the scientific method
- l. EXPLAIN how to educate your hypothesis
- m. MAKE educated guesses

C.8 Creates tables and graphs to display data and communicate results

- n. EXPLAIN the order and purpose of “Results” in the scientific method
- o. EXPLAIN why results must be Organized
- p. CREATE a data table
- q. CREATE a bar graph

Study resources “to do”

C.2

C.3

- Look over your practice work - files 4-7 in **Notability**
- Take practice quiz - file #9

C.4

- Look over files 12-15 in **Notability**
- Also - look back at your Observations quiz (hanging folder in class)

C.5

- Files 23-28C in **Notability**

C.6

- Files 29-31A in **Notability**

C.7

- Files 32 A, B, C in **Notability**

C.8

- **Nearpod** - Code:
- Files 36- 38C in **Notability**
- Scanned stations from around the room

GENERAL:

- | | |
|--|---|
| | <ul style="list-style-type: none">● Make flashcards for the vocabulary<ul style="list-style-type: none">○ Evernote Peak/Quizlet/Index cards● Use the links sheets review sheets (file #41 & #42) |
|--|---|