🧪 Science Starts notes (safety, observations, hypotheses) · ANSWER KEY

Biology A · Unit 0 Science Starts: Safety & Lab Skills · Level 2 guided notes. Use with the class slides.

Name: _____

Fill in each blank with a word from the word bank in that box. Each word is used one time.

A. Lab safety (FHS safety contract)

1. Wear **goggles** any time there are chemicals, heat, or glass.
2. Never **eat** or drink in the lab.
3. Report every accident to the **teacher**, no matter how small.
4. If someone is hurt, yell "Code **one**!"
5. Circle 2 things that are safe to wear in the lab:

closed-toe shoes | sandals | **hair tied back** | long dangling necklace

Word bank: **eat** | **goggles** | **one** | **teacher**

B. Observations and hypotheses (Lollipop lab)

6. An **observation** uses your five senses.
7. A **hypothesis** is a testable guess.
8. A hypothesis uses If… then… **because** …
9. Number the steps of the scientific method (1-4):

2 write a hypothesis
4 write a conclusion
1 ask a question
3 test and collect data

Word bank: **because** | **hypothesis** | **observation**

C. Variables and conclusions

10. The variable the scientist changes is the **independent** variable.

11. The variable the scientist measures is the **dependent** variable.

12. Match the tool to what it measures:

(Key: thermometer → temperature (°C) · ruler → length (cm) · graduated cylinder → volume (mL) · balance → mass (g))

thermometer	volume (mL)
ruler	mass (g)
graduated cylinder	temperature (°C)
balance	length (cm)

Word bank: **dependent** **independent**

Level 2 version of the gen ed "Safety contract, Lollipop lab, Biology Chat stations, Conclusion practice."
🔑 *Key written by our team from Ms. Dunham's materials, please check.*