

Performance Assessment Questions

Green

- How does the temperature of water affect how quickly food coloring spreads in the water?
- Does food coloring spread faster in salt water or fresh water?

Blue

- Does the temperature of a rubber band affect its elasticity (stretching ability)?
- Which material (newspaper, plastic wrap, or foil) is the best heat insulator?

Black

- Does stirring speed affect the amount of salt that can dissolve in water?

Valid Experimental Design Outline

Experimental Question:

Hypothesis:

Independent Variable:

Dependent Variable:

Standards:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6

Experimental Procedure:

Observations and Data:

Conclusion: In one or two statements, answer the experimental question using your team's data and observations as evidence for your claims.