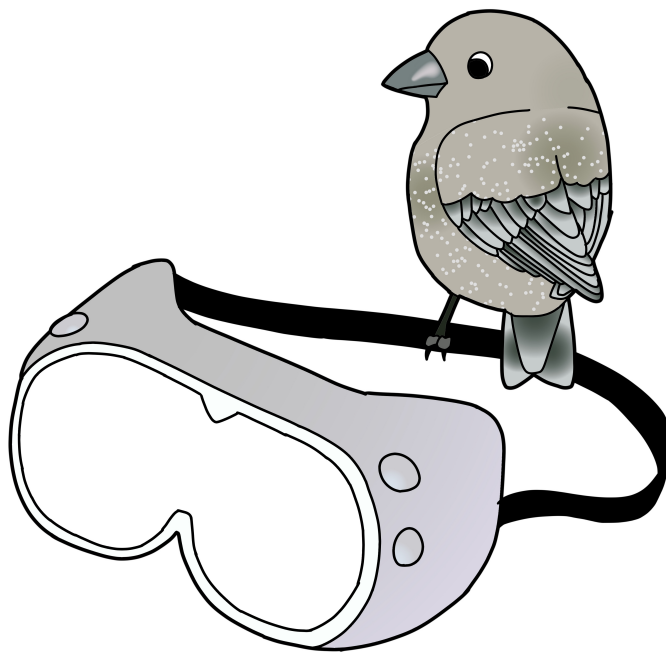


BirdSO Mini Invitational Experimental Design C

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Directions: You have **50** minutes to finish the Experimental Design exam. When you are ready to begin, please turn over the next page.

The following is the list of materials to be gathered BEFORE the experiment. A subset of these materials will be allowed to be used following a topic area.

- 1 Roll of Tape
- 1 Pair of Scissors
- Water - Unlimited
- 3 Cups
- 5 Marbles
- 3 feet of string
- 1 square foot of foil
- 1 Tissue
- 1 Spoon
- 1 Bar of Soap
- 1 Plastic Bag
- Oil (any type) - Unlimited
- Sugar - Unlimited
- Salt - Unlimited
- 1 Sheet of 8.5"x11" Paper
- 5 Paper Clips 5 Quarters
- 1 Bouncy Ball
- 1 Pencil

You will be required to to design, conduct, and report an experiment using the at least 2 of following materials:

- Water - Unlimited
- 3 Cups
- 5 Marbles
- 1 Bar of Soap
- 1 Spoon
- Oil (any type) - Unlimited
- Sugar - Unlimited
- Salt - Unlimited
- 1 Sheet of 8.5"x11" Paper
- 5 Paper Clips
- 5 Quarters

The topic for this experiment is buoyancy.