OSMOSIS GUMMY BEARS

SUPERNOVA
DALHOUSIE UNIVERSITY | HALIFAX, NOVA SCOTIA

USE GUMMY BEARS TO MODEL HOW OUR CELLS ACT IN DIFFERENT SOLUTIONS!

MATERIALS

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- 3 Clear Cups
- 4 Gummy Bears
- 1 Salt shaker
- 1 tin Gatorade Powder
- 3 cups Water
- 1 Sharpie
- 1 Paper towel
- 1 Sheet of paper
- 1 Spoon

2X 15 MINS

PROCEDURE

Step 1
Prepare 1 cup of water and 2 solutions using salt and Gatorade powder and stirring into water until no more can dissolve. Label the cups.

Step 2
Drop a gummy bear into each of the cups

Step 3
Using a sharpie/writing utensil, write down predictions about what will happen to the gummy bear in each cup..

Step 4
Leave for a few hours

Step 5
Spoon out gummy bears and place them on a paper towel. Place the unused gummy bear next to them for comparison.

Step 6
Write down any observable changes such as size, colour, texture for each gummy bear.

THE GUMMY BEARS HAVE MODELED HOW OUR CELLS ACT IN DIFFERENT CONDITIONS!

PURPOSE & SCIENCE OUTCOMES

- Osmosis is the movement of water across semipermeable membranes.
- Different solutions cause water to move in or out of the cell leading to expansion of the cell. Too much expansion can cause lysis (bursting)
- This is important for understanding osmotic pressure and how we can help our body when dehydrated!

ANY QUESTIONS? REACH OUT @SUPERNOVAATDAL