Starch Bags

Summary
In this activity students will predict and test the direction of the particle movement.

Main Core Tie
SEEd - Grade 7
Strand 7.3: STRUCTURE AND FUNCTION OF LIFE Standard 7.3.2

Time Frame
1 class periods of 60 minutes each

Group Size
Small Groups

Materials
1 piece of dialysis tubing 6 inches long
2 pieces of string
1 container
10 ml starch solution
25 ml weak iodine solution
50 ml beaker
one-pint zip lock bag
starch solution 1/2 cup
larger container of weak iodine solution
- worksheet

Background for Teachers
This can be done as a demo or a lab. A starch solution will be put into a zip lock bag. This is then put into a container of diluted iodine solution. Overnight the starch will darken. You could also do this by using dialysis tubing and the effect would take only 10 minutes.

Student Prior Knowledge
types of particle movement

Instructional Procedures
Step-by-step instructions are given to students on the worksheet.
Students should wear protective eyewear.

Assessment Plan
Appropriate use of the equipment and time receives full credit.

Bibliography
Lesson Design by Jordan School District Teachers and Staff.

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