

Names:

Period:

Sweet Model of the Atom

Purpose

The purpose of this lab is to visually see how atoms, isotopes and ions are put together.

MAKE A CLAIM

Which metal do you think will react most vigorously when placed in hydrochloric acid? What information could you gather to help you make your prediction?

MATERIALS

- Skittles
- Nerds
- Paper
- Glue(optional)

Procedure

1. Establish which subatomic particle each color of candy represents.
Electrons:
Protons:
Neutrons:
2. For the following examples, be sure to make them using your candies. When you have made the model with your candy, draw the atom on your paper. Be sure to answer the questions as you complete the activity.

Atoms

1. ^1H

2. ${}^4_2\text{He}$

3. ${}^7_3\text{Li}$

4. ${}^7_3\text{Li}^+$