

Name: _____ Date: _____

Sizing Up Solutions

In this project, students apply their knowledge of simple machines to design Rube Goldberg machines that accomplish specific goals. Review the six main types of simple machines. Then look around the classroom and identify objects that use simple machines. In the space below, identify each object and the simple machine it uses. Then explain how the simple machine helps the object work. We've done the first one for you.

1. **NAME OF OBJECT:** scissors This object uses a lever.

Here's how: The blades and handles of the scissors are the bars of two levers, and the screw connecting them is the fulcrum. Opening and closing the handles causes the ends of each lever to move up and down on either side of the fulcrum.

2. **NAME OF OBJECT:** _____ This object uses a _____.

Here's how: _____

3. **NAME OF OBJECT:** _____ This object uses a _____.

Here's how: _____

4. **NAME OF OBJECT:** _____ This object uses a _____.

Here's how: _____

5. **NAME OF OBJECT:** _____ This object uses a _____.

Here's how: _____

