

Name:

Screws

Simple Machines



Screws are used to hold things together or to help lift heavy objects

Screw: a simple machine that is used to change circular motion into linear motion

As a screw twists, it is drawn forward

The **head** of a screw is twisted, spinning the **threads** and causing the screw to move forward

The **threads** move into an object, pulling it together with the screw

The **rotation** of the screw makes the shaft move **forward** further into the object

Draw a diagram of a **screw**: label the **threads** and **head**

Name 3 screws you might see in everyday life:

1. _____
2. _____
3. _____

Screws are used when there is very little space to move objects around

Using a **screw** allows you to move something forward or backward using **circular movement**

Screws allow you to apply **force** while the simple machine remains in place

Even in tight spaces, large amounts of force can be generated!

Types of Screws

Threads: the spiral part of a screw that wraps around the central cylinder

Wider [694] **TEEL** [694] **W** that wraps around [694] **is** [694] **and** [694] **MB** [694] **Wid** [694] **mf** [694] **ns** [694] **ted** [694] **los** [694] **W** that wraps a [694] **T**

Draw diagrams of all the different types of screws you and your group can create with the screw kits:

Label all the parts with the correct vocabulary!

See how much weight each can lift!

What functions could they serve?
