

Name: \_\_\_\_\_

# Simple Machines

There are six basic types of simple machines: inclined plane, wedge, screw, wheel and axle, lever, and pulley.

1. What is the man doing with the crow bar? Which type of simple machine is he using?

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2. Why might this woman be drilling a hole? Which type of simple machine will she probably insert in the hole when she's done drilling?

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3. What is this man doing? What type of simple machine is the ladder that he is standing on?

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4. What might the woman doing with the cord, wheel and hook?  
Which basic simple machine is she using?

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5. This man is using a power saw. What do you think he is making?  
The saw blade and the rod it is attached to make up which type  
of simple machine?

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6. What is this man breaking apart? The hammer in his right hand is a  
lever. What type of simple machine is the chisel in his left hand?

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7. The man is using a vise. What does a vise do? How does  
the man operate it? Which type of simple machine is used to  
make the vise open and close?

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# Simple Machines

There are six basic types of simple machines: inclined plane, wedge, screw, wheel and axle, lever, and pulley.

1. What is the man doing with the crow bar? Which type of simple machine is he using?

**The man is trying to take the bottom board off. He is using the crow bar as a lever.**



2. Why might this woman be drilling a hole? Which type of simple machine will she probably insert in the hole when she's done drilling?

**The woman probably drilling a hole so she can insert a screw.**



3. What is this man doing? What type of simple machine is the ladder that he is standing on?

**The man is installing a light. He is standing on a ladder, which is an inclined plane.**



4. What might the woman doing with the cord, wheel and hook?  
Which basic simple machine is she using?

**The woman might use the cord, wheel and hook to lift something heavy. She is using a pulley.**



5. This man is using a power saw. What do you think he is making?  
The saw blade and the rod it is attached to make up which type of simple machine?

**Answers to the first part will vary, as the man might be making anything out of wood. The saw blade is part of a wheel and axle.**

**Also accept wedges because the sharp part of the saw blade is a wedge.**



6. What is this man breaking apart? The hammer in his right hand is a lever. What type of simple machine is the chisel in his left hand?

**The man is breaking apart a brick wall. The chisel is a wedge.**



7. The man is using a vise. What does a vise do? How does the man operate it? Which type of simple machine is used to make the vise open and close?

**A vise is used to clamp things together. The man operates it by turning the handle (which is a lever). A screw is used to make the vise open and close.**

