

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

## Modern Day Pyramids Worksheet **Answers**

### Simple Machine Matchings

Match the simple machine with its definition by putting the corresponding letter in the space. Then write at least one example of each simple machine.

Simple Machines	Letter	Examples
1. Lever	<u>F</u>	_____
2. Inclined plane	<u>A</u>	_____
3. Wedge	<u>C</u>	_____
4. Screw	<u>D</u>	_____
5. Wheel & axle	<u>E</u>	_____
6. Pulley	<u>B</u>	_____

### Definitions

- A A ramp
- B A system that can change the direction of a force
- C Something that can split an object apart
- D Something that can hold things together or lift an object
- E Something that reduces the friction of moving something
- F Something that can increase or decrease the applied force



### Engineering Design Process

Number 1 to 5 the order of the engineering design process. Then write at least one example of each step of the process from when your team was designing.

Order	Examples
<u>5</u> Improve	_____
<u>4</u> Create	_____
<u>2</u> Brainstorm and design	_____
<u>1</u> Understand the need	_____
<u>3</u> Plan	_____