

Name:

Date:

Class:

Tower Masters Research Worksheet

1. **Define** by cutting and pasting from the picture choices below:

An **engineer** is a person who uses:

+

→

to create







to solve a problem in the world.

A **civil engineer** is a person who designs all kinds of structures, including public works such as:

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Choose from the following items to cut and paste answers to questions 1 and 2.

Research the problem		Imagine: Develop possible solutions		Improve: Redesign as needed
	Ignore the problem		Create: Build a prototype	
Plan: Select a promising solution		Create a hypothesis	Ask: Identify the need and constraints	Test and evaluate prototype

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2. The **engineering design process** is a series of steps that guides engineers as they design and redesign structures and other inventions without wasting a lot of money, time and materials.

