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:

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
- Test and evaluate prototype
- Ask: Identify the need and constraints
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.