

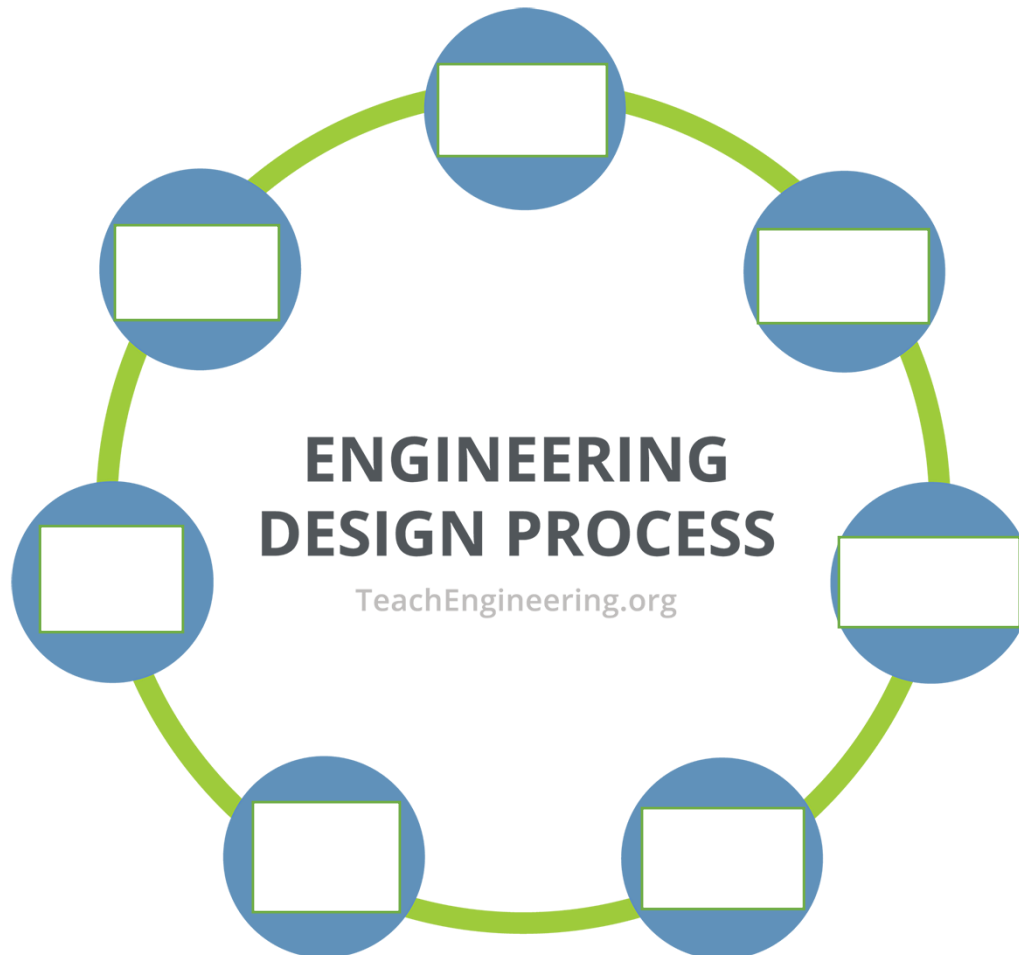
Name:

Date:

Class:

Speed & Momentum Crash Quiz

1. Fill in the flow chart diagram below with the **steps of the engineering design process**. Choose from the options provided below the diagram.



- a) Ask to identify needs and constraints
- b) Imagine possible solutions
- c) Improve and redesign as needed
- d) Research the problem
- e) Create a prototype
- f) Test and evaluate the prototype
- g) Plan by selecting a promising solution

Name:

Date:

Class:

2. Describe **momentum**.
3. Describe the **relationship between mass and momentum**.
4. Explain the importance of using the **steps of the engineering design process** to solve real-world problems related to **momentum and collisions**.