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.

   ![Flow Chart 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

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.