

NAME _____

ENGINEERING DESIGN

Slides 16-19

BRAINSTORMING

- _____ is generating _____ ideas. In the engineering process, _____ is important to generating possible _____ to a _____.
- Brainstorming can be done _____ or in a _____.
 - When done _____, brainstorming is a _____, thoughtful and reflective process.
 - When done in a _____, brainstorming is a _____ discussion of ideas between two or more people.
- Brainstorming is a _____-part process.
- What are the two parts to brainstorming?
 1. _____

 2. _____

STEP 1: Creative Thinking

- Generate _____ ideas that could solve the problem.

- Some of your ideas may seem a bit _____, but it is important to consider them because crazy ideas can _____ other ideas that may be more _____.
- When brainstorming in a group, _____ each other to creatively think of solutions. Avoid criticizing each other during this part of brainstorming. Be open to all sorts of ideas.

STEP 2: Focused Thinking

- Evaluate your creative solutions.
- You must narrow down your ideas to the few best solutions. Then choose the absolute best solution. The best solution balances effectiveness with practicality.
- To help you with this process, ask:
 1. _____

 2. _____

 3. _____

