



Engineering Design Challenges

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Skyscrapers is tall buildings made of steel and glass.

Rewrite: _____

2. Fix the sentence: A dam hold back water to make electricity and stop floods.

Rewrite: _____

3. Fix the sentence: Prosthetic legs helps people who lost a limb walk again.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A _____ is a very tall building, often built in big cities.
2. A _____ blocks river water and can be used to make clean electricity.
3. A _____ limb replaces a missing arm or leg and helps a person move.
4. Engineers design _____ so cars and people can safely cross rivers or canyons.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why do engineers design prosthetic limbs?

2. Pick one structure (skyscraper, dam, or bridge) and explain its purpose.

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: Skyscrapers is tall buildings made of steel and glass.

Rewrite: **Skyscrapers are tall buildings made of steel and glass.**

2. Fix the sentence: A dam hold back water to make electricity and stop floods.

Rewrite: **A dam holds back water to make electricity and stop floods.**

3. Fix the sentence: Prosthetic legs helps people who lost a limb walk again.

Rewrite: **Prosthetic legs help people who lost a limb walk again.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A **skyscraper** is a very tall building, often built in big cities.
2. A **dam** blocks river water and can be used to make clean electricity.
3. A **prosthetic** limb replaces a missing arm or leg and helps a person move.
4. Engineers design **bridges** so cars and people can safely cross rivers or canyons.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why do engineers design prosthetic limbs?

Engineers design prosthetic limbs to help people who have lost an arm or leg walk, run, or hold things, giving them back independence and confidence.

2. Pick one structure (skyscraper, dam, or bridge) and explain its purpose.

A bridge lets cars and people safely cross a river or valley, so travelers do not have to drive long distances around the gap.
