

FOCUS ON

MAKING A WINDPROOF HOUSE FOR THE THREE LITTLE PIGS

1. Write a paragraph describing why engineers consider center of gravity when designing a building.
2. Why do you think it's important to test different models when building something?
3. How does a wide foundation make a building more stable?
 - A. A wide foundation makes the building weigh more.
 - B. A wide foundation spreads out the weight of a building.
 - C. A wide foundation makes the building weigh less.
4. How is a foundation like the roots of a tree?
 - A. Both provide support.
 - B. Both are narrow.
 - C. Both are wide.

5. What does **withstand** mean in this book?

*Dome homes can **withstand** strong winds. They can protect people during hurricanes and tornadoes.*

- A. become weaker than
- B. cause damage to
- C. stand up against

6. What does **topple** mean in this book?

*A building with a center of gravity near its top may be top-heavy. The building could **topple** due to the uneven weight at the top.*

- A. grow taller
- B. stand strong
- C. fall over

Answer Key:

1. Answers will vary
2. Answers will vary
3. B
4. A
5. C
6. C