

Name _____

Date Due: _____

UNIT 4
Topic 7

STRUCTURES and FORCES
Stable Structures

1. What force will pull figure skaters down if they lost their balance?
2. What is meant by a stable structure?
3. What is meant by "center of gravity"?

Firm Foundation:

4. How is ground affected by freezing water?
5. How is ground affected by melting ice?
6. What can happen to large sections of soil?
7. What can happen to very moist soil?
8. What can happen if builders do not study the ground under a planned subdivision?

9. What happened to the house in the picture on page 336?

10. What are three strategies builders can use to construct a stable structure on shifting ground?

11. What are pilings?

12. What are footings?

Rapid Rotation:

13. What is meant by spin stabilization?

14. What is a device that utilizes spin stabilization?

What is one use of this particular device?