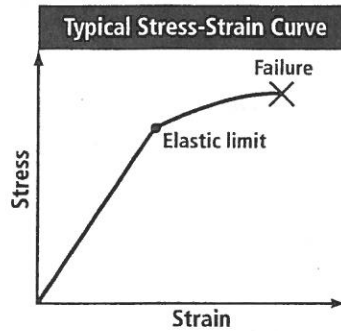


Earthquakes

SECTION 19.1 *Forces Within Earth*

In your textbook, read about the effects of stress and strain on rocks.
Answer the following questions.



1. What is stress?

2. What is strain?

Use the graph to answer questions 5–7.

5. What happens when stress exceeds the strength of a material?

6. On the stress-strain curve, what part of the curve represents the elastic deformation of a material? What part represents ductile deformation?

7. Which occurs at a lower stress value, ductile deformation or elastic deformation?

8. Are rocks near Earth's surface generally brittle or ductile? Rocks at great depths?
