

Earthquakes:

What you need to know



What is an earthquake?

- What does an earthquake feel like?
- How long does an earthquake last?
- What is the cause?

What You Need to Know



Composition

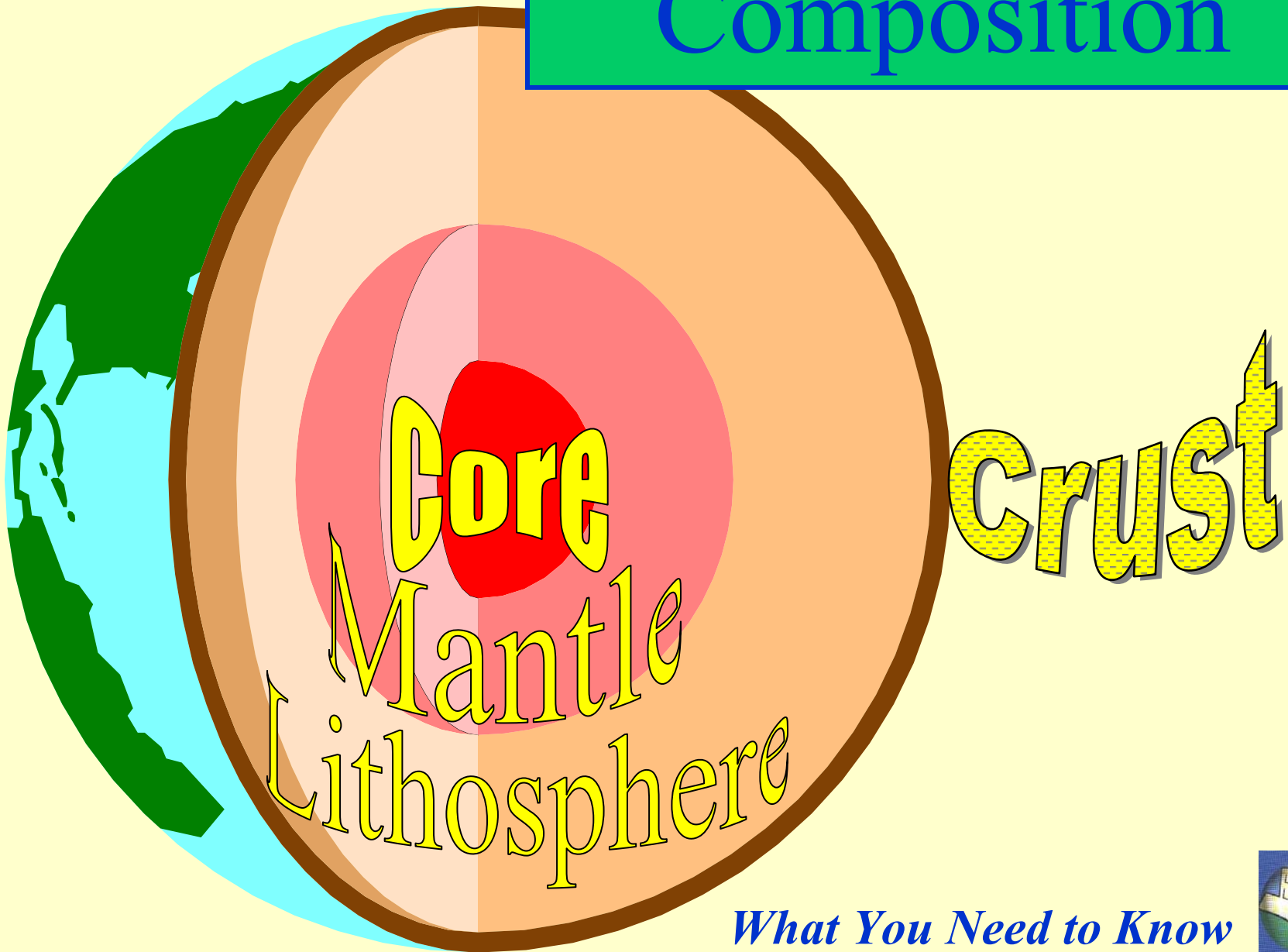


- The earth is composed of layers of rock, which are progressively hotter and denser toward the center

What You Need to Know



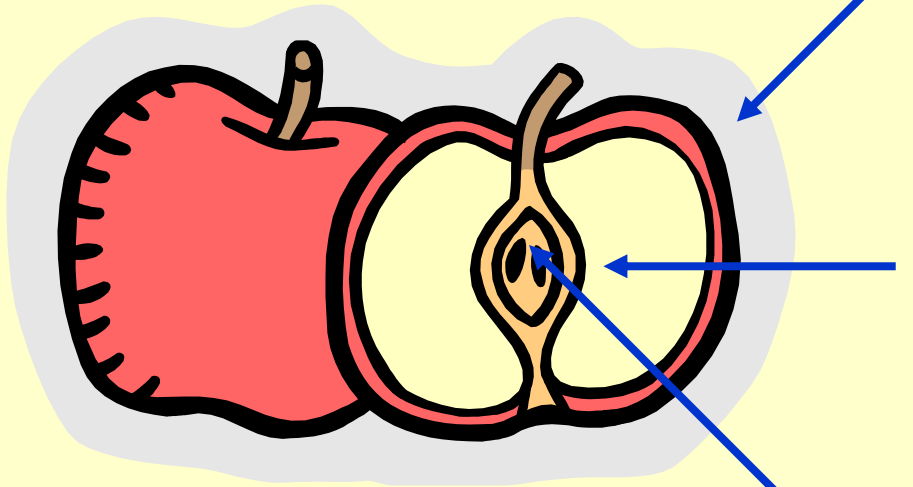
Composition



What You Need to Know



The Earth's Composition



The earth's crust can be compared to an apple's skin.

The earth's mantle can be compared to an apple's flesh.

The core can be compared to an apple's core.

What You Need to Know





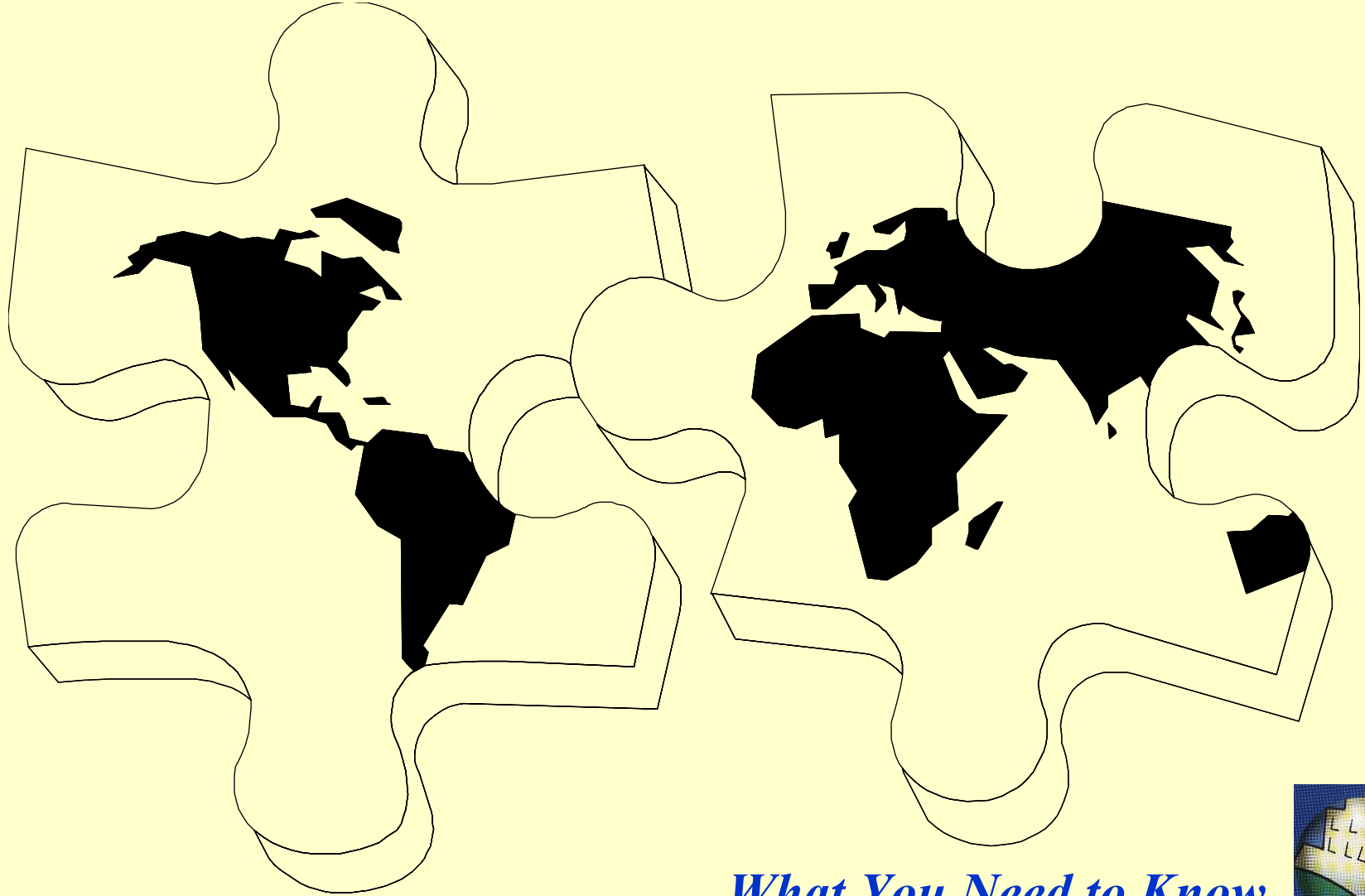
- Almost all earthquakes occur in the crust, where the rocks are cool enough to be brittle.

• The point where an earthquake begins is called the focus or hypocenter.

What You Need to Know



Plate Tectonics



What You Need to Know



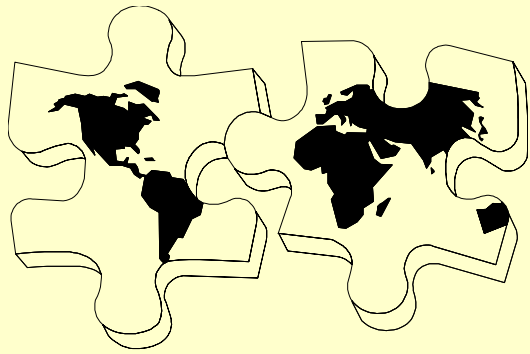


Plate Movement

- spreading (divergent)
- colliding (convergent)
- sliding (lateral)

What You Need to Know



What is the Risk?

- Structural damage
- Fires
- Avalanches and landslides
- Flash floods or tsunamis
- Aftershocks

What You Need to Know



Earthquakes:

What you need to do

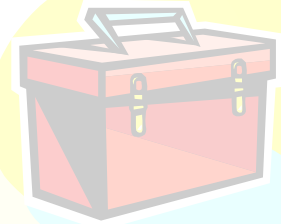


What to Do Before An Earthquake

Make plans

Gather supplies

Reduce hazards



What You Need to Do



What to Do During an Earthquake

Drop,
Cover,
And HOLD ON!



What You Need to Do

What to Do During an Earthquake

- If you are outdoors, find a clear spot away from buildings, trees, streetlights, and power lines. Drop or sit down.
- If you are in a vehicle, pull over in a clear location, stop, and stay there with your seat belt fastened until the shaking has stopped.

What You Need to Do



What to Do After an Earthquake

- Check for injuries.
- Change into protective clothing.
- Help others.
- If you are in a coastal tsunami-prone area, move to high ground immediately.

What You Need to Do



What to Do After an Earthquake

- Check your building for hazards.
- Look for and extinguish small fires.
- Leave the gas on unless you smell gas or think it is leaking.
- When exiting a building, use the stairs, not the elevator.

What You Need to Do



What to Do After an Earthquake

- Expect aftershocks. Each time you feel one, **Drop, Cover, and Hold On.**
- Help neighbors who may require special assistance.
- Listen to a portable, battery-operated radio or television for updated emergency information and instruction.

What You Need to Do



Earthquakes

Masters of Disaster

