

# Earth's Layers

## ESSENTIAL IDEA

Earth is made of different layers.

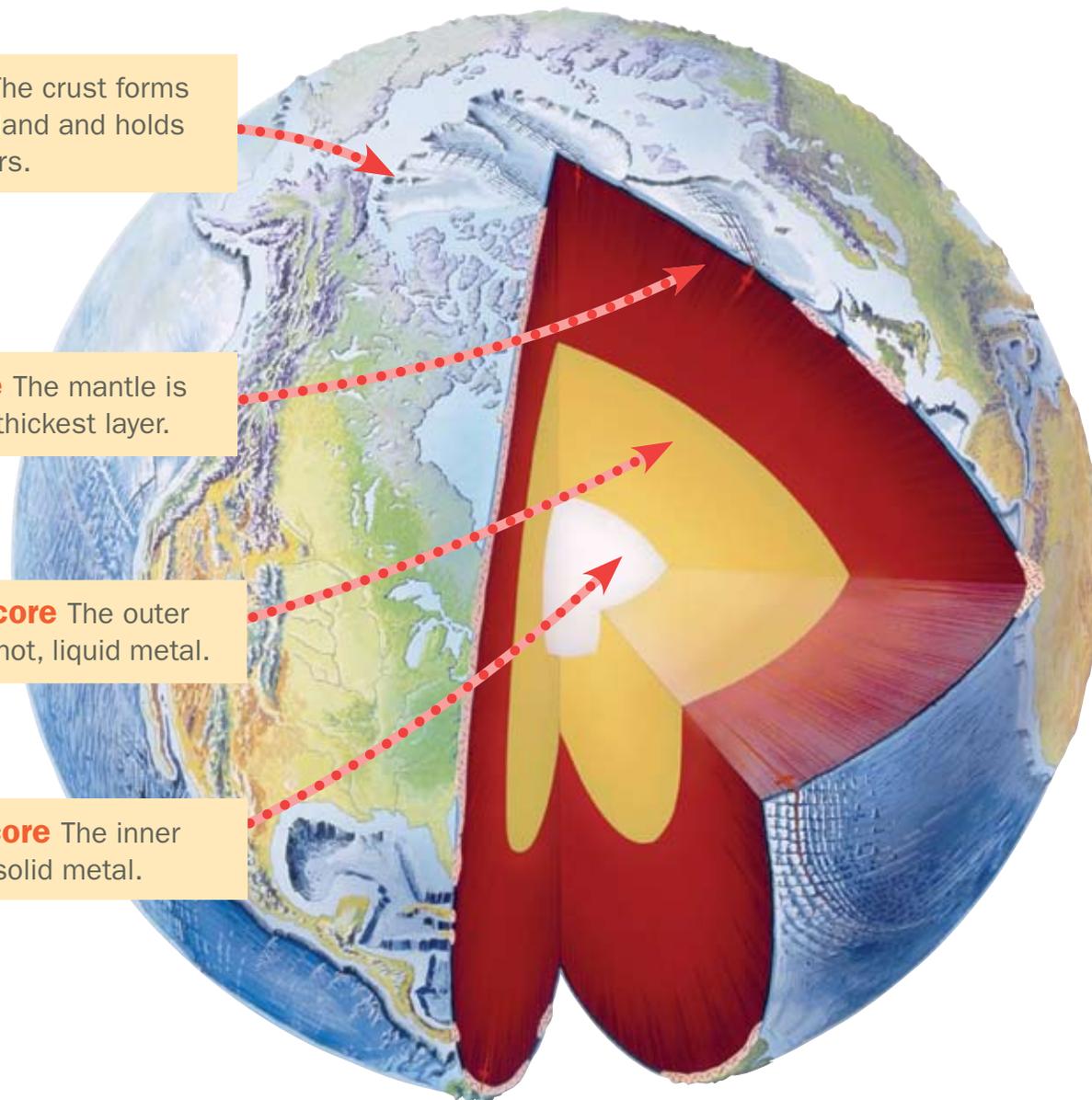
Earth is not the same the whole way through. It has different **layers**.

**crust** The crust forms Earth's land and holds its waters.

**mantle** The mantle is Earth's thickest layer.

**outer core** The outer core is hot, liquid metal.

**inner core** The inner core is solid metal.

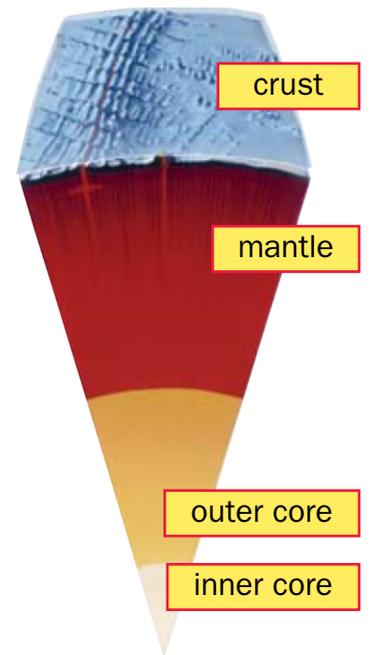


## Earth's Layers

The **crust** is the rocks and soil that cover Earth. The crust forms the land. It also holds lake and ocean waters.

Under the crust is the **mantle**. Most of the mantle is solid rock. Some of the mantle is hot melted rock that flows like liquid.

Deep inside Earth is its core. The **outer core** is a pool of hot, liquid metal. The **inner core** is a hot, solid ball of metal.



## What Makes Up Earth?

Layer	Made of
crust	rocks and soil
mantle	solid and melted rock
outer core	liquid metal
inner core	hot, solid ball of metal

## WHY IT MATTERS

You know living and nonliving things are on Earth's crust.

# Prefixes

**ESSENTIAL IDEA**

Learning prefixes helps you read and understand new words.

A **prefix** is a group of letters that is added to the beginning of word parts. Two kinds of word parts are base words and roots.



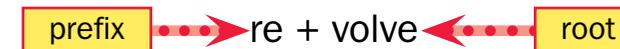
An aquarium holds living and **non**living things. The living and nonliving things **inter**act in the same habitat. An aquarium has important parts. A hood **en**clothes the tank. A filter cleans and **re**freshes the water all the time.

A **base word** is a word part that can be separated from the prefix.



*Reheat* has the base word *heat* and means “to heat again.” Adding the prefix *re*, meaning *again*, changes the meaning of the base word.

A **root** is a word part that is used to form other words. Roots are usually not words by themselves.



*Revolve* has the root *volv* and means “to turn again.”

**Common Prefixes**

Learning common prefixes can help you understand new words.

prefix	meaning	example
non-	not	nonfiction
inter-	with, between	interact, interstate
en-	in	endanger
re-	again	relocate, regrow

**WHY IT MATTERS**

- You can read and understand more words when you know the most common prefixes.
- Prefixes and roots are common in science words.