

Earth Systems

Unit Review

Name _____

1. Be sure you know the meaning of the following words. Quiz each other and place a check next to those you know.

	aesthenosphere	lithosphere
	air pressure	mantle
	atmosphere	mesosphere
	biosphere	millibar
	crust	outer core
	density	stratosphere
	hydrosphere	thermosphere
	inner core	troposphere

2. Read the paragraph below and create a flow chart that shows how earth systems are affecting each other:

Indian Inundations



A fresh round of severe monsoon flooding killed hundreds of people in India's northern state of Uttar Pradesh, and the eastern states of Bihar and Orissa. The United News of India reported that more than 2,700 square miles have been submerged, affecting millions of people in 4,500 communities. Thousands of houses have collapsed due to heavy rains while many rivers, including the Ganges, have overflowed due to the heavy rainfall. Severe flooding in neighboring Bangladesh has forced thousands to flee across the border into India. on arson. The record drought and heat of the summer months has left much of the Iberian peninsula parched.

3. Use the Earth Science Reference Tables to determine each of the following:

- a. The thickness of the outer core _____
- b. The thickness of the stratosphere _____
- c. The altitude of the tropopause _____
- d. The air pressure at an altitude of 50km _____
- e. The temperature at the mesopause _____

4. Label 3 of earth's layers that are visible in this picture.
Give two examples of energy or matter that is moving in the picture.



Examples:

5. Complete the chart below and then label the graduated cylinder with the liquid found in each layer.

Liquid	mass of graduated cylinder (g)	mass of graduated cylinder and liquid (g)	mass of liquid (g)	volume of liquid (ml)	density of liquid (g/ml)
Water	68.3	92.1		24	
Cooking oil	68.3	97.7		32	
Rubbing alcohol	68.3	84.0		18	

