Earth's Interior and Earth's Systems Midterm Review Sheet

1. What type of crust is the thickest? The most dense?
2. Where is continental crust the thickest?
3. List in order the layers of the Earth from inside out.
4. Which layer of the Earth makes up most of the Earth's volume?
5. What layers of the Earth make up the lithosphere?
6. What happens to temperature as you move towards the Earth's core?
7. What happens to pressure as you move towards the Earth's core?
8. What process do scientists believe causes the tectonic plates move?
9. What are the four systems (spheres)?
10. Describe each system.
    a.
    b.
    c.
    d.

11. What are the main layers of the atmosphere?
12. List them in order from Earth's surface to outer space.
13. List 2 characteristics of each layer.

14. How are the layers divided?
15. How are ozone molecules destroyed? What are ozone molecules made up of?
16. What happens to pressure as you rise farther in the atmosphere?
17. What happens to the amount of oxygen as you rise farther in the atmosphere?
18. Describe what is happening at the "pauses" in Earth's atmosphere.
19. Which layer contains the ozone layer?
20. Which layer of the atmosphere contains the ionosphere?

earth's interior

1. thickest - continental
   densest - oceanic

2. where mountains are located.

3. inner core
   outer core
   mantle
   crust

4. mantle

5. crust and upper mantle

6. temp. increases

7. pressure increases

8. convection currents

9. Atmosphere
   Biosphere
   geosphere
   hydrosphere

10. Atmosphere - air and gases in the atmosphere
Biosphere - all living things on earth
geosphere - the earth's interior
hydrosphere - includes water cycle and water on earth

11 troposphere
stratosphere
mesophere
thermosphere

12. troposhere
stratosphere
mesosphere
thermosphere
exosphere

13. troposhere - 0-15 mm; includes weather, clouds, & mag
Stratosphere - includes ozone layer; 20-50 mm
mesosphere - 50-90 mm; temp. drops as you move up.
thermosphere - contains ionosphere, meteor trails
exosphere - temp. rises; no air particles.

14. temperature
15. pollution; oxygen

16. decreases
17. decreases
18. the temp. is the same between layers
19. Stratosphere
20. exosphere