

Lesson 5 Name _____

THE RESTLESS EARTH - 8th Grade Science

**Directions: Decipher the Code message listed below to uncover the sentences.
Place the answers directly below the Code.**

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

1) 3-18-21-19-20 Earth's thin, outer shell, made up primarily of low-density minerals.

What am I? _____

2) 13-1-14-20-12-5 The compositional layer below the crust which contains silicate minerals like the crust, but has more dense elements, such as magnesium and iron.

What am I? _____

3) 4-15-18-5 The center of the Earth which contains very dense elements, mainly iron and nickel.

What am I? _____

4) 12-9-20-8-15-19-16-8-5-18-5 The outermost physical layer of Earth which is a solid, rigid layer.

What am I? _____

5) 1-19-20-8-5-14-15-19-16-8-5-18-5 A solid, thin layer of mantle material below the lithosphere. Temperature and pressure are higher here, so rock is less rigid and can be thought of as more putty-like.

What am I? _____

6) 13-5-19-15-19-8-5-18-5 The lowest part of the mantle which is more dense and rigid than the asthenosphere.

What am I? _____

7) 3-15-14-20-9-14-5-14-20-1-12 4-18-9-6-20 The hypothesis that today's continents were once part of a single landmass.

What am I? _____

8) 16-12-1-20-5 20-5-3-2015-14-9-3-19 The Earth's surface is made up of giant, moving slabs which divide Earth's outer layer.

What am I? _____

9) 4-5-6-15-18-1-20-9-15-14 The blending, tilting, and breaking of rock. It changes the shape and size of features on and below Earth's surface.

What am I? _____