

12.1 Evidence for Continental Drift

P W I J G O P N Z B I M T P A N G A E A W A M J E
N C F B E Y L P G T D Q N P W Z L A P L Z T A H K
G X W O O R R I H F P I O G F W N H N V C L V N B
F J Z O T L P M A G M A P Z O W L O A I L A N T A
V O G P H D Q Y B N Y H M N C G R B T P X N N F F
E Y F W E F X X E R A C O N T I N E N T S T X N G
B K J X R I H M F I M X Y Z Q F N W I Z P I W C L
R N A M M E V O J G R G D O Q G O B U P R C T V E
P G O H A A H F G H G J V D A F C L N C X O P U C
U X Y O L T J K P W N W U M W P B O S S I C C T Z
D M U G P A L E O G L A C I A T I O N L O E P E N
H H O T S P O T E I D T X J M P R L A M A A D C X
T B Y P E F U N W W O A F L R G H R B D H N U T Y
R L S L X O B V K T V V D S Y O U N G E S T X O P
A V O L C A N O S P A L E O M A G N E T I S M N I
Q V F D K Z H Y G F Z D T Q P T F M O E G X O I L
S S F E A R T H Q U A K E S K T H C X M D R A C Y

1. German scientist Alfred Wegener hypothesized that the _____ have not always been in their present locations but have "drifted" there over millions of years.
2. German scientist Alfred Wegener suggested that, millions of years ago, all the continents were joined as a "supercontinent." called _____.
3. The extent of ancient glaciers and the rock markings they have left behind.
4. The surface of Earth is broken into large, movable slabs of rock called _____ plates.
5. Openings in Earth's surface, that, when active, spew out gases, chunks of rock, and melted rock.
6. A sudden, ground-shaking release of built-up energy at or under Earth's surface.
7. The Mid-Atlantic Ridge is a mountain range in the _____ _____.
8. Rock samples have been taken from the Mid-Atlantic Ridge to determine the age of the ocean floor. They reveal a peculiar pattern: the _____ rocks are found closest to the ridge.
9. The reason that a compass needle points north is because the needle aligns with Earth's _____ field lines.
10. Scientists think that Earth's magnetic field is produced by the motion of liquid _____ in the planet's interior.
11. The study of the magnetic properties of ancient rocks.
12. _____, molten rock from beneath Earth's surface, rises because it is less dense than the material that surrounds it.
13. In the mid-1960s, Canadian geologist J. Tuzo Wilson suggested that chains of volcanic islands, such as the Hawaiian Islands, were formed when a tectonic plate passed over a stationary _____ _____.
14. In Iceland, where there are many geysers, _____ power plants are common.