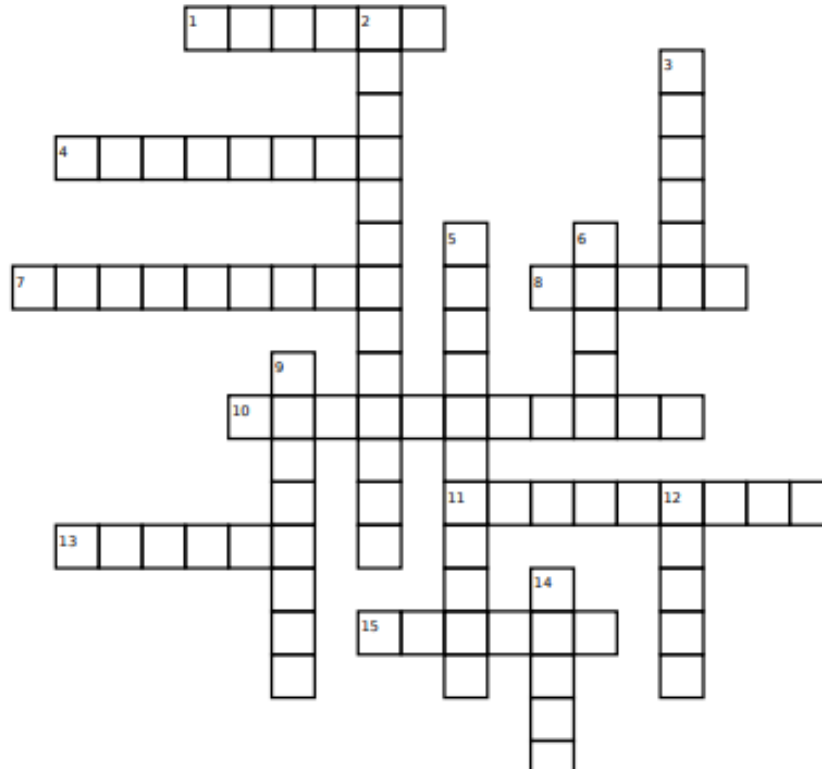


EARTH SCIENCE WEEK

EARTH MATERIALS IN OUR LIVES

CROSSWORD CHALLENGE

GEOLOGY 1



Word Bank:			
FOSSIL	MUDSTONE	EXTRUSIVE	INVERTEBRATES
SCHIST	LITHOSPHERE	DELTA	METAMORPHIC
PETROLEUM	GNEISS	MARBLE	BEACH
LAHAR	SLATE	FELDSPAR	

- Across:**
1. Any trace of past life preserved in a rock (includes animal tracks & burrows as well as shells, skeletons, and impressions of soft flesh).
 4. A relatively soft rock formed largely of fine clay. Compressed, flaky mudstone is often called shale.
 7. A type of Igneous rock formed by eruptions at the Earth's surface.

- Down:**
2. Animals without backbones (worms, shellfish, insects etc)
 3. Metamorphic rock which has a shiny, foliated, medium-grained texture, often containing much mica.
 5. Outer layer of Earth (uppermost mantle and crust) that behaves as a number of rigid, moving "plates".

Across:

8. A river mouth where a river splits into many channels as it deposits sediment on meeting a lake or the sea (e.g. Mississippi).
10. A rock which has re-crystallized due to heat and/or pressure. Examples: marble, slate, schist. See also metamorphism.
11. Crude oil (along with petroleum gas) occupying pore spaces in some sedimentary rocks. A valuable "fossil fuel".
13. A coarse-grained, metamorphic rock often showing a "banded" texture due to separation of pale and dark-colored minerals.
15. _____ is a Metamorphic rock formed from limestone - also fizzes with dilute acid.

Down:

6. sediment (pebbles, sand, mud) deposited by the sea along the shoreline
9. A common mineral in igneous and some metamorphic rocks.
12. A mudflow formed of water and volcanic ash. A major hazard in parts of Japan, the Philippines etc.
14. Metamorphic rock formed by compression and heating of mudstone. Much used for roofing as it splits easily into sheets.

