

Fill in the blanks with the following words and translate the passage into French.

“ice”, “crust”, “lithosphere”, “interior”, “volcanoes”, “plate”, “mantle”, “oceanic”, “hard”, “plastic”, “continent”, “earth”.

The anatomy of a tectonic plate

The nature of a tectonic plate can be summarized as follows:

1. A plate is a segment of the**1**.....; thus, it includes the uppermost**2**..... and all of the overlying**3**.....
2. A single plate can carry both oceanic and continental crust. The average thickness of lithosphere covered by**4**..... crust is 75 kilometers, whereas that of lithosphere covered by a**5**..... is 125 kilometers. Lithosphere may be as little as 10 to 15 kilometers thick at an oceanic spreading center.
3. A plate is composed of**6**....., mechanically strong rock.
4. A plate floats on the underlying hot,**7**..... asthenosphere and glides horizontally over it.
5. A plate behaves like a large slab of**8**..... floating on a pond. It may flex slightly, as thin ice does when a skater goes by, allowing minor vertical movements. In general, however, each plate moves as a large, intact sheet of rock.
6. A plate margin is tectonically active. Earthquakes and**9**..... are common at plate boundaries. In contrast, the**10**..... of a lithospheric plate is normally tectonically stable.

[illegible]

Match the sentence parts to form a complete sentence.

1. At transform-fault boundaries	A) plates move apart.
2. At divergent boundaries	B) a lithospheric plate is sinking into the mantle.
3. At convergent boundaries	C) plates slide horizontally past each other.
4. At a subduction zone	D) the basaltic magma flows.
5. At the mid-ocean ridges	E) plates come together.

1— 2— 3— 4— 5—