

Tasks – Litosphere and Geomorphology

Match the following.

Set 1

A = core	1 = limestone
B = convergence	2 = tectonic plates
C = crust	3 = mid-oceanic ridge
D = sedimentary rock	4 = granite
E = divergence	5 = trench
F = igneous rock	6 = Fe + Ni

Set 2

A = reef	1 = karst
B = meander	2 = column
C = canyon	3 = coast
D = dripstone	4 = thawed glacier
E = avalanche	5 = estuary
F = tarn	6 = moving snow

Set 3

A = constructive boundary	1 = roads and pavements
B = basalt	2 = silicate mineral
C = metamorphism	3 = Maldives
D = destructive boundary	4 = decorative stone
E = travertine	5 = Andes
F = quartz	6 = extreme heat and pressure

Scratch out a term which does not belong to the other terms logically.

moraine – corrie – U-shaped valley – waterfall – glacier

insolation – wind – earthquake – water – temperature changes

quartz – granite – sandstone – mica – feldspar

claystone – marble – travertine – conglomerate rock – limestone

air – geology – rocks – minerals – relief

mechanical weathering – frost – rock – rainforest – water

Indo-Australian p. – Caribbean p. – Euro-Asian p. – Antarctic p. – Philippine p.

BONUS! rift valley – Tanganyika – Red Sea – Chad – Malawi

Questions...

1. Which rock forms the High Tatras?
2. Name the soil type the most typical for limestone relief.
3. Give an example of a karst area in Slovakia. How far is it from here?
4. What is a landslide?
5. Define the mountain folding.
6. What do shields represent?
7. Which fault endangers the city of LA?
8. Name this movement of tectonic plates: → ←
9. Which crustal plate is located between the Pacific and South-American?

Decide if the following statement is true. If not, correct it.

- a) „Limestone is a hard rock, however permeable to water.“
- b) “Rivers and brooks flow usually upon a crest line.”
- c) “Ružomberok is one of the districts with great degree of vertical segmentation.”
- d) “The Malá Fatra Mountains are located within the Váh river valley.”
- e) “If I stood on Mt. Kriváň at noon, Sun would represent the south.”
- f) “Mt. Etna is the highest volcano of Iceland.”
- g) “Erosion is caused by water, wind and glaciers primarily.”
- h) “Mid-Atlantic ridge was formed on a destructive plate boundary.“
- i) “The Earth’s crust is divided into 3 major plates.”
- j) “Andesite is one of the extrusive igneous, volcanic rocks.”

BONUS! Underline:

a) 2 countries where chemical weathering prevails.

Norway, Congo, Chile, Brazil, Egypt, Iran, Mongolia

b) the highest volcano in Iceland

Poľana, Pinatubo, Kilauea, Hekla, Kilimanjaro, Fuji

c) the deepest place within the Atlantic Ocean

Marianna trench, Puerto Rico trench, Philippine trench, Kuril trench

d) the layer between the crust and mantle

asthenosphere, silicate rocks, thermosphere, igneous rocks, intrusive rocks