**4 ELEMENTS – FOR A GREEN PLANET!**

Erasmus+ 2017-1-PT01-KA219-035800

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ nr \_\_\_\_\_ Class \_\_\_\_\_\_\_\_

**How soil is formed – worksheet**

After watching the ***How soil is formed video***, fill in this worksheet and bring it to class.

1. **True or false?**
2. Pedosphere is a part of Earth’s surface, which cantaines the soil. \_\_\_\_
3. Soil is the uppermost layer of the Earth crust. \_\_\_\_\_
4. The uppermost part of the Earth crust is formed by action of water, air and organisms. \_\_\_\_\_
5. Soil formation is a long-lasting process. \_\_\_\_\_
6. **Complete:**

Soil is composed of two main components (parts), name them:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. **Choose only the therms which form a non-living component of the soil:**

*water microorganisms roots of plants rock fragments air*

1. **Draw a cross-section of the soil (soil horizons) and name each layer.**
2. **Sort soil types according to their permeability from 1 to 3 (1 = the most permeable).**

\_\_\_\_ loamy soil \_\_\_\_ clay soil \_\_\_\_ sandy soil

1. **Why is the soil important? (Name at least 3 reasons)**
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. **Complete the sentence:**

*We should be aware, that the soil is elemental, but mainly limited and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ source of natural wealth of each country,*

*so we should* *\_\_\_\_\_\_\_\_\_\_\_\_\_.*