

Atmosfären 8-13

Put your **ID-number** on all pages.

Write legibly and use separated **sheets for different teachers**.

Cecilia Akselsson 10p

1. There are three main types of plate boundaries. Which are they, and what landforms do the different types of boundaries give rise to? (3 p)
2. The silicate group is by far the largest mineral group.
 - a. Give an example of a light silicate mineral, and name a rock type containing this mineral. (1 p)
 - b. Give an example of a dark silicate mineral, and name a rock type containing this mineral. (1 p)
 - c. Crystal form and colour are two properties that can be used to identify a mineral. Name two more properties that can be used for mineral identification. (1p)
3. Erosion and deposition are two processes that can lead to glacial landforms.
 - a. Give an example of a glacial landform created by glacial erosion, and explain how the landform is formed. (2 p)
 - b. Give an example of a glacial landform created by glacial deposition, and explain how the landform is formed. (2 p)

Maj-Lena Linderson 15p

4. List and the dominant controls of weather and climate (around 6-7 is identified in course book). Describe briefly for each of them in what way they influence weather and climate and at what scale. (5p)
5. Explain the role of adiabatic temperature changes, as well as changes in relative humidity, in the formation of clouds. (5p)

6. Explain where (geographically very general) arid climates (steppes, deserts) are found and which factors (large scale) that determines their location. (5p)

Lena Ström 5p

In ecosystems organisms interact and adapt to their environment.

7. Name five major controlling factors (four abiotic and one biotic) that often affect and limit the organisms in earth's ecosystems.

For these five factors describe how organisms adapt to maximize their performance if the factor is a limitation in the ecosystem.

Ulrik Mårtensson 10p

8. Name and describe five factors that influence soil erosion by water on sloping ground. (5p)
9. Name and describe the process and resulting landforms for two different mass movement/mass wasting processes. (5p)