

SOLAR ENERGY ON THE EARTH ACTIVITIES

Imagine you are travelling from the equator to the North Pole.

- a) What pressure belts and winds would you encounter?
- b) What are the characteristics of these belts?

Where did the following take place on Earth on 21 June and 22 December? Write the answer in your notebook.

- a) The Sun's rays fell perpendicularly
- b) The Sun's rays fell obliquely
- c) There were 24 hours of daylight
- d) There were 24 hours of night.

In pairs, discuss the statement below, and write down the conclusions.

"It is hotter in the summer because we are closer to the Sun. In winter we are further away from the Sun"

Do you think it is true or false? Give reasons for your answer. Use the phrases below to help you.

I think it is true / false because....

It is true/ false because...

It must be true / false because...

Copy and complete the words with the missing vowels and explain them.

- a) p _ l _ r _ nt _ cycl _ n _
- b) d _ s _ rt
- c) tr _ d _ w _ nds
- d) _ q _ t _ r _ _ l _ nt _ cycl _ n _
- e) w _ st _ rly w _ nds
- f) s _ b-tr _ p _ c _ l _ nt cycl _ n _

GEOLOGICAL PROCESSES ACTIVITIES

Answer the questions

- a) What causes rocks to fragment in physical weathering?
- b) What is the result of chemical weathering?
- c) What alters rocks in biological weathering?

What kind of weathering happens in the following areas?

- a) a desert
- b) a jungle
- c) a high mountain area
- d) on the Moon
- e) where you live

Read the statement below, write a short explanation about why this is true. Try to work out what colours are not present in most ancient rocks.

"Oxidation is a kind of chemical weathering that did not exist on Earth for millions of years"

Compare your answers with a partner:

- a) What is the difference between sediments and sedimentary rocks?
- b) Why are fossils especially abundant in sedimentary rocks?