

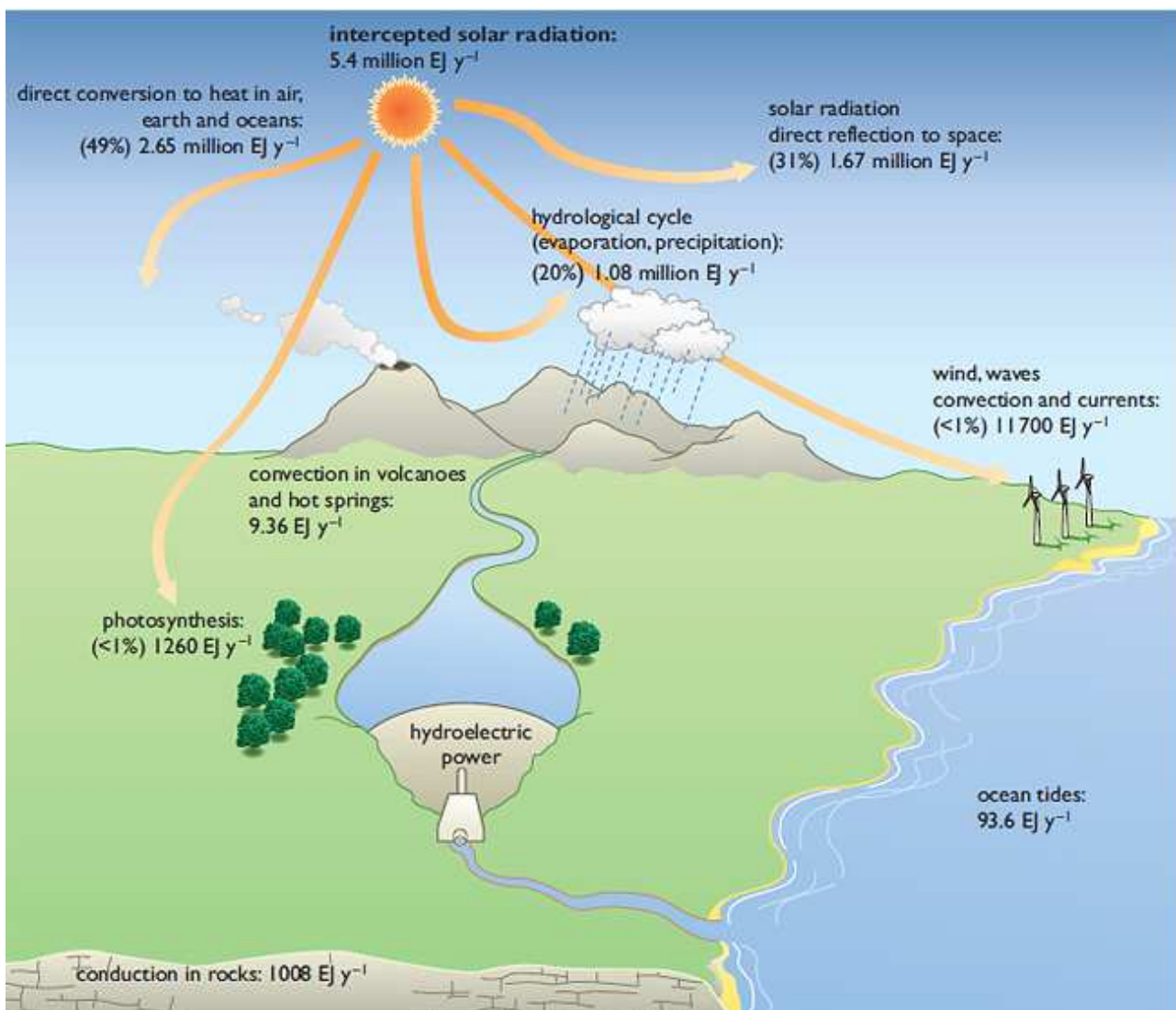
Lesson 2  
Student worksheet

**Activity 1:**  
**THE SUN: PRINCIPAL SOURCE OF RENEWABLE ENERGIES**

Look at the figure below, which summarises the origins and magnitudes of the Earth's renewable energy sources, and according to the teacher's explanation, answer to the question below.

EJ = Exajoule (EJ)

Equal to 1 quintillion ( $10^{18}$ ) joules



1. How much Solar Energy hits the earth per year?
2. How much is radiated back to the space?
3. What is the sun temperature surface?
4. What are the non-solar renewable energy sources shown above in the picture?

**Activity 2:**

**In groups of four, answer the following questions according what you hear in the power towers video.**

1. How many Spanish home can power the solar tower?
2. What is the task of the heliostats?
3. From the top, the speaker can see 624 mirrors, so up there, how much more the sun light is intense than downstairs? What is the temperature?
4. What does the speaker say about the dust over the heliostats? What idiom is used to define the dust?
5. What does the speaker say about the desert?