

**Anglais Scientifique II**  
**Topic #3**

**The Sun's energy**

Our sun is amazing! The sun is the star that our earth spins around. It warms our planet so we don't freeze. It warms our oceans, lakes, and pools so we can go swimming and not get hypothermia. It helps our plants grow so we can eat delicious oranges, peaches, bananas, and other great foods. But more than that, the energy from the sun also powers the winds, the ocean currents, and the water cycle. If we didn't have the sun, we wouldn't have wind. We wouldn't have the ocean currents that many sea creatures rely on to travel far distances. And, we wouldn't have the water cycle that gives us a continuous supply of fresh water.

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Read carefully the text above and answer from the text the questions below:

**1- Comprehension of the text:**

- Complete the title of the text.

..... The Sun's **energy** .....

- What warms our planet?

..... **Sun's energy** .....

- List two problems if there is no sun :

..... **No winds, no ocean currents, no water cycle** .....

- Give two benefits from the sun :

..... **Plants growing, water cycling** .....

## 2- Linguistic competency:

- Translate in Arabic terms listed below according to their meaning in the text :

- Spins = تدور
- Warms = تدفئ
- Freeze = تجمد
- Plants = نباتات
- Grow = تنمو
- Cycle = دورة
- Wind = ريح
- Ocean = محيط
- Currents = تيارات
- Continuous = مستمر
- Supply = إمداد
- Fresh water = مياه عذبة

- Translate in Arabic the below sentence from the text:

The energy from the sun also powers the winds, the ocean currents, and the water cycle.

الطاقة من الشمس تنتج أيضا الرياح ، التيارات المحيطية ، ودورة الماء .

## 3- General knowledge:

Give a short answer in English to the questions below:

- What is your imagination of our life without the sun?

.....Our life will not be possible.....

- Give two examples on how we can transform the sun's energy?

.....Photovoltaic, solar towers, wind turbine, .....

- Give two direct benefits from the sun?

.....Light, heat.....

- What replace the sun light during the night?

.....Stars light, moon light.....