

Korrekturhinweise

Solar-powered lamp and charger

0	A	<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input type="checkbox"/>
1	A	<input type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
2	A	<input type="checkbox"/>	B	<input checked="" type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
3	A	<input checked="" type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
4	A	<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input type="checkbox"/>
5	A	<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input checked="" type="checkbox"/>
6	A	<input checked="" type="checkbox"/>	B	<input type="checkbox"/>	C	<input type="checkbox"/>	D	<input type="checkbox"/>
7	A	<input type="checkbox"/>	B	<input type="checkbox"/>	C	<input checked="" type="checkbox"/>	D	<input type="checkbox"/>

Justifications

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The speaker says: "Our hundredth object gives to people all over the world, who have until now been off-grid, that is without access to any mains electricity supply, a quite new level of control over their environment. Solar power [...] is changing lives in many parts of the world." According to the speaker, solar power therefore influences many people's lives.

1

The speaker says: "When this solar panel is exposed to 8 hours of bright sun [...] then the lamp can provide up to 100 hours of even white light." The solar-powered lamp therefore works for many hours without being reloaded.

2

The speaker says: "When exposed to sunlight, the cells generate electricity, which can charge and recharge a battery." The solar cells in the charger therefore feed batteries with energy.

3

The speaker says: "One of the great advantages of solar energy is, as far as we humans are concerned, it's almost limitless." According to Prof. Stern, solar energy therefore has hardly any restrictions.

4

The speaker says: "The cost of accessing that limitless supply of energy is really crashing down. Just in the last couple of years the cost of a solar panel has fallen by about a half." The price of solar cells was therefore a lot higher in the past.

5

The speaker says: "[...] solar panels big enough to generate the gargantuan amounts of electricity that rich countries devour, are still prohibitively expensive." For rich countries, solar energy is therefore expensive due to high energy consumption.

6

The speaker says: "If you live in the tropics without electricity, your day ends early. Light at night is supplied by candles or by kerosene lamps. [...] Kerosene lanterns and cooking stoves cause an estimated 2 million deaths every year. Most of them women because the fumes are especially dangerous in enclosed spaces, where most cooking is done [...]." Therefore many people in the tropics die due to harmful gases.

7

The speaker says: “[...] photovoltaic solar panels change almost every aspect of this rural, domestic existence. Lighting, on tap, at home, means that children, and adults, can study at night, improving their education and therefore their futures.” In the tropics, light provided by solar energy therefore helps people to gain knowledge.