1. From the “Solar Land” video, how much land is needed to produce all our energy from the sun? In terms of states, the land area of what US state is approximately equal to this?

2. From “Solar Land” video, how much energy (in KWh) can a solar panel of area 1 square meter produce in a year, approximately?

3. From “Solar Land” video, what percentage of US energy was produced in 2013 from oil, gas and coal and what percentage came from renewables?

4. From “Solar Land” video, how much power was consumed in ALL sectors of US economy in 2013, in Kwh?

5. From “Solar Land” video : Is it true that it is not possible, right now, to produce all of our energy from renewables such as wind and solar power? Is it true that in the future it is possible to produce all of our energy from renewables such as wind and solar power?

. 6. From the probability and climate change video, out of 5 years, what is the expected number of record years?

 7. From probability and climate change video, if a coin is tossed 20 times, what is the expected number of heads?

 8. From probability and climate change video, what is the probability that, out of 10 years, the 10th year is a record breaking year?

 9. From “Probability and Climate Change”: Is it true that global warming means that every day of the year the temperature everywhere on earth keeps rising?

 10. From “Probability and Climate Change”: How do scientists measure the rise in earth’s temperature?