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| Stories |
| Sunshine is free |
| Big charge |
| Steam engine |
| Warm little feet |
| Windows on the Sun |
| Multi-purpose tool tail |
| Solar lamp saves lives |

1. How does the International Space Station get its energy?
2. What does solar energy cost to run?
3. Do you know why an electric car needs a charging point?
4. Since 2012 the number of UK charging points has increased by a factor of roughly 2, 10 or 100?
5. How many steps can you count between burning the coal and making the wheels go round?
6. Why was that a problem?
7. Where did most of the wasted energy go?
8. How do feathers help keep a bird warm in winter?
9. What is the job of a sunshield?
10. What would happen without one?
11. Why do the windows only open for a short time?
12. How can a squirrel's tail help keep it cool?
13. How can it help to keep it warm?
14. A solar panel changes sunlight into what?
15. What do the lamps cost to run?
16. What's another advantage?
17. What’s a disadvantage, if you're not keen on homework?

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| Stories |
| Young engineers |
| Warm memories |
| Solid sunlight catcher |
| Dawn of solar cells |

1. Why does a solar panel not work as well with clouds in the sky?
2. Can you think of two reasons why putting solar panels in the desert is a good idea?
3. Can you think of one disadvantage?
4. By looking at the picture can you say which parts of the people will be kept warm by the kotatsu?
5. Which parts will be a lot cooler?
6. Why is this?
7. State two ways that Dawn’s solar cells will be better than those that exist now.
8. What's the main problem she is trying to solve?
9. What is the problem with existing methods of making electricity?
10. State two drawbacks of existing solar cells.
11. How much of the energy of sunlight do existing solar cells convert to electricity?
12. That means the efficiency of existing solar cells is what: 2, 20 or 200%?
13. What's the unlikely sounding substance from which Dawn is trying to make solar cells?