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| Stories |
| And relax |
| Valeria Losasso |
| Heart work |
| Powerful pump |
| Funky chicken |
| Clear water |
| Sonia Rocha |
| Better healing |
| Eyes in space |
| Grow a bone |
| How long are your intestines? |
| Making muscles move |

1. What does relaxing your body do to your heart rate?
2. What does Valeria use to do her research?
3. What is she trying to create?
4. Why does your heart beat more slowly in space?
5. What bad effect can this have?
6. What do Tim and other astronauts do to stop that happening?
7. Why does the heart need to be a strong muscle?
8. What does blood carry to all your cells?
9. Does a heart beat thousands, millions or billions of times in one lifetime?
10. What is Ben always doing?
11. If a chicken didn't bob her head what would everything she looks at seem to do?
12. What can chickens not do that we humans can?
13. What does a glass of water contain, apart from water?
14. Why is this nothing to worry about, normally?
15. What does Ameet do?
16. What is Sonia the only one of in her family?
17. Why isn't it easy to explain what she has written about?
18. What does Sonia study?
19. What do all the cells in our body need?

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| Stories |
| Better healing |
| Eyes in space |
| Grow a bone |

1. Why does our skin need to heal quickly?
2. If part of a human body gets damaged what does it replace the injured part with?
3. Give one example where this can be a problem?
4. What are Manuel and his team investigating?
5. If he can do that what will they improve in the body?
6. What do astronauts often have problems with?
7. What happens to fluids in your body when you're weightless?
8. What can this do to the eye?
9. What's the usual way to measure brain pressure here on Earth?
10. What have the scientists in Southampton invented?
11. What does Manuel use to produce new tissue?
12. What is an embryo? (Hint: click on the word to get the definition.)
13. Stem cells from embryos have the ability to do what?
14. But why do many people object to using them to cure diseases?
15. What can be used instead?
16. You can get adult stem cells from bone marrow or from what other kind of tissue?
17. What does Manuel grow from these?

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| Stories |
| How long are your intestines? |
| Making muscles move |
| Hitch-hiking killer |

1. How long are your intestines?
2. Where does food go when it leaves your stomach?
3. What happens to it there?
4. Where do the nutrients it contains go?
5. What does absorbed mean? (Hint: click on the word to get the definition.)
6. What happens in the large intestine?
7. What does a message from your brain to your leg travel along?
8. Which part of your body do messages to your arms or legs travel through?
9. If the backbone is broken what usually happens to the spinal cord?
10. What can you not do then?
11. But muscles can be made to move using what?
12. What is the deadliest animal on Earth?
13. Why do the female mosquitoes need blood?
14. How many needles does a mosquito use to get your blood?
15. What do the first two needles do?
16. Why does the sixth needle spit chemicals into your blood?
17. It's not the mosquito that causes diseases; it's the virus or –------ that's hitching a ride.

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| Stories |
| Superbugs |
| Miracle fungus |
| Testing water |

1. When was penicillin first made as a medicine?
2. What do we call drugs such as penicillin that kill bacteria?
3. What seemed to have happened for a time after these were discovered?
4. Today more and more bacteria can't be what?
5. What are these called?
6. What fraction of children used to die before they grew up?
7. Why did people often die from a cut, before antibiotics?
8. Where did Alexander Fleming go to school?
9. What did he discover?
10. Every 8 seconds a child dies from what?
11. What's one reason that doesn't happen in Scotland?
12. What is a sewerage system? (Hint: click on the word to get the definition.)
13. What's a second reason?
14. What do the water companies look at in the water?
15. What is the problem with the current method of testing the water?
16. The risk is small because water is filtered and ----------- before it reaches your tap.
17. But what is Ameet aiming to do with his research?

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| Stories |
| Devices for diagnosis |
| Building bones |
| The life of viruses |
| Viruses |

1. What is a diagnosis? (Hint: click on the word to get the definition.)
2. Why is getting a diagnosis in a developing country often difficult?
3. What is the standard way to do it?
4. What would be ideal?
5. State two of the set of three requirements mentioned in the story.
6. What has Jon been looking at using to do the job?
7. What's the name for what happens when you bend a piece of metal back and forth till it breaks?
8. This doesn't happen to your bones because of what goes on –---- them.
9. One type of cell takes damaged bone away while another builds --- bone.
10. Why do astronauts' bones lose weight?
11. Viruses cause disease when they do what?
12. When a cell is jam-packed with viruses what does it do?
13. What happens next?
14. What the system in our bodies called that recognises and destroys invaders?
15. Viruses are tiny --------- at the edge of life.
16. Some viruses cause --------.
17. State three ways that viruses can move from one place or person to another.
18. What doesn't work against viruses?
19. What does work?
20. What defeated the deadly disease, smallpox?