

## Knowledge Organiser Questions – Can be found at <https://bit.ly/2NtUq85>

KQ.1. What is a pathogen?	A disease-causing micro-organism
KQ.2. Name 4 types of pathogen	Virus, bacteria, fungi, protist
KQ.3. What do bacteria release which make you feel ill?	Toxins
KQ.4. What are the main ways that pathogens can be spread?	Water, air, contact or by vector
KQ.5. What type of pathogen causes salmonella and gonorrhoea?	Bacteria
KQ.6. What type of pathogen causes measles and HIV?	Virus
KQ.7. How do viruses make you ill?	Replicate inside cells and burst out
KQ.8. What are the non-specific defences of the human body?	Skin, nose hair, mucus, cilia, stomach acid
KQ.9. Which is the smallest pathogen?	Virus
KQ.10. What do we call a disease that can be passed from person to person due to a pathogen?	Communicable
KQ.11. What is the system which fights pathogens once they enter the human body?	The immune system
KQ.12. What are the names of the cells which fight pathogens?	White blood cells
KQ.13. What are the 3 things which white blood cells do?	Release antibodies, release antitoxins, engulf pathogens (phagocytosis)
KQ.14. What is in a vaccination?	A dead or inactive version of the pathogen
KQ.15. Who developed the first vaccination?	Edward Jenner
KQ.16. What is an antigen?	Protein marker on the outside of a cell
KQ.17. What is antibody?	Released by a white blood cell to make the pathogens clump together
KQ.18. What is the word used when a person has had a disease and cannot get it again?	Immunity
KQ.19. What are the positives of vaccination?	Can eliminate disease and prevent epidemics
KQ.20. What are the negatives of vaccinations?	Might not work, some people may have a bad reaction
KQ.21. What is the name of the drug that can be used to treat bacterial infections?	Antibiotics
KQ.22. Why can antibiotics not be used for a cold?	It is a virus
KQ.23. Do painkillers cure diseases?	No, they relieve symptoms
KQ.24. What is a non-communicable disease?	One that cannot be spread from person to person
KQ.25. What is the name of the disease that people who can't control their own blood sugar levels have?	Diabetes

KQ.26. Type of diabetes that obese people at a higher risk of developing?	Type 2
KQ.27. What do people with type 1 diabetes need to inject into their body during the day?	Insulin
KQ.28. What name can you give the factors such as smoking, drinking and obesity which can negatively impact on health?	Lifestyle factors
KQ.29. What 3 diseases can smoking cause?	Cardiovascular disease, lung disease, lung cancer
KQ.30. What immediate effects does exercise have on a human's body?	Increased heart rate, breathing rate, temperature, and rate of respiration
KQ.31. How can you measure heart rate?	Find the pulse and count how many beats per minute
KQ.32. What does anaerobic mean?	Without oxygen
KQ.33. What sugar is used in respiration?	Glucose
KQ.34. Why does breathing rate increase when exercising?	To increase oxygen into the body
KQ.35. Why does heart rate increase when exercising?	To increase the blood pumped round the body
KQ.36. What are substances that can cause cancer known as?	Carcinogens
KQ.37. Two organs affected by regularly drinking too much alcohol?	Brain and liver
KQ.38. What are the factors that increase someone's chance of getting a disease called?	Risk factors