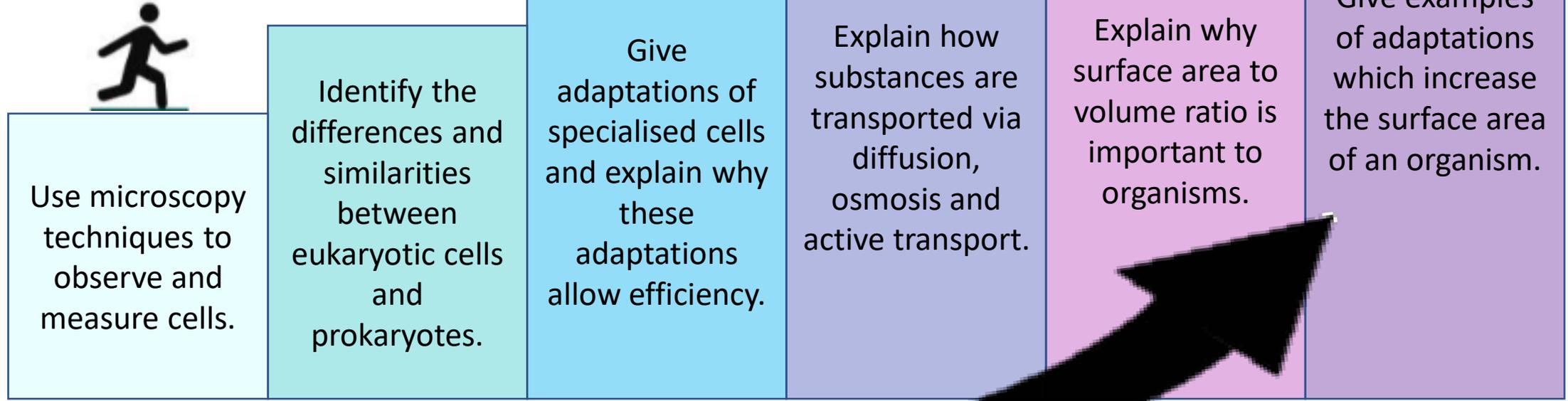


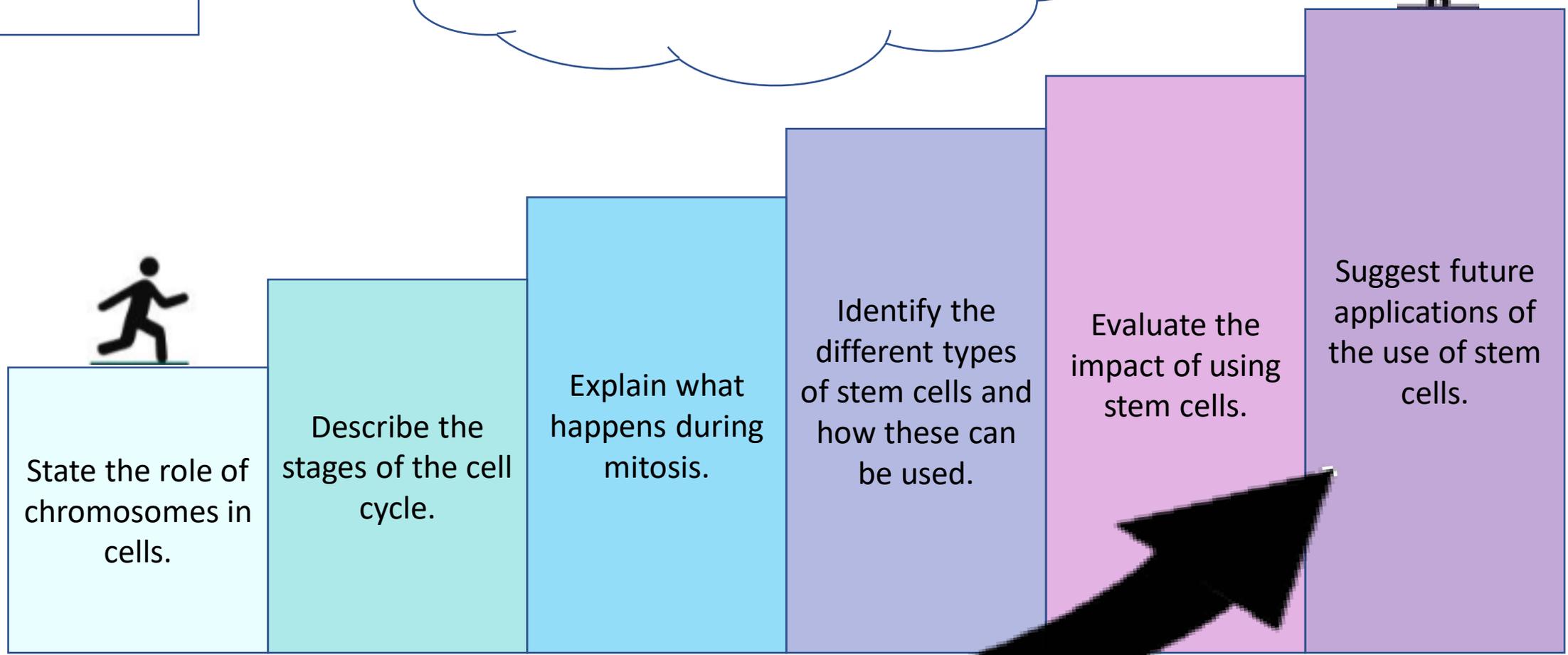
**Learning Journey**  
**Cell structure and**  
**transport B1**

Building on knowledge of cells, specialised cells, microscopes, diffusion.



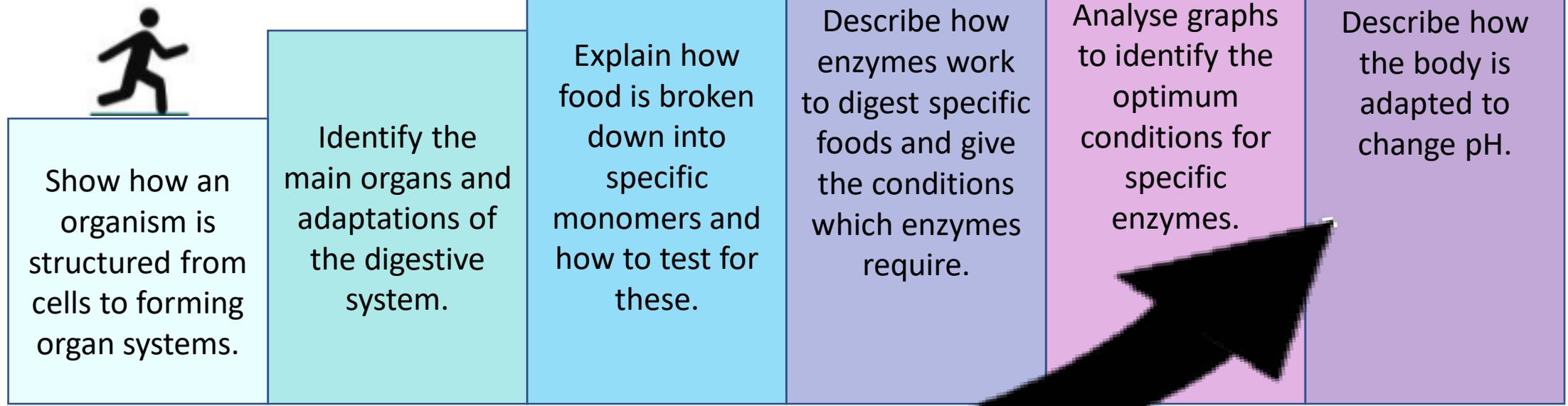
**Learning Journey**  
**Cell division B2**

Building on knowledge of cell structure, genes, chromosomes.



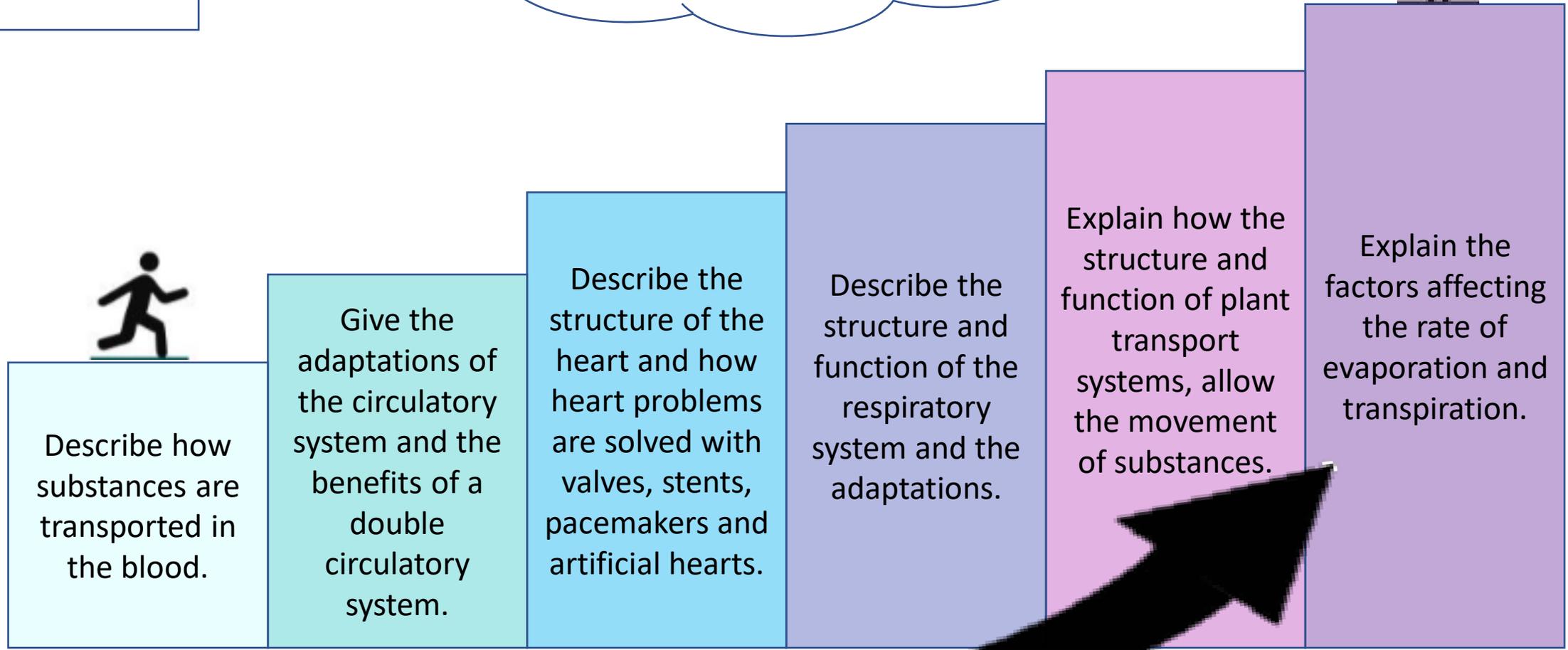
**Learning Journey  
organisation and  
the digestive  
system B3**

Building on knowledge of food groups, enzymes, cells, organs, tissues, organ systems, digestion.



**Learning Journey**  
**Organising animals**  
**and plants. B4**

Building on knowledge of blood cell, plant adaptations and breathing.



**Learning Journey**  
**Communicable**  
**disease B5**

Building on knowledge of diseases, white blood cells, antibiotics.



Identify communicable and non-communicable diseases.

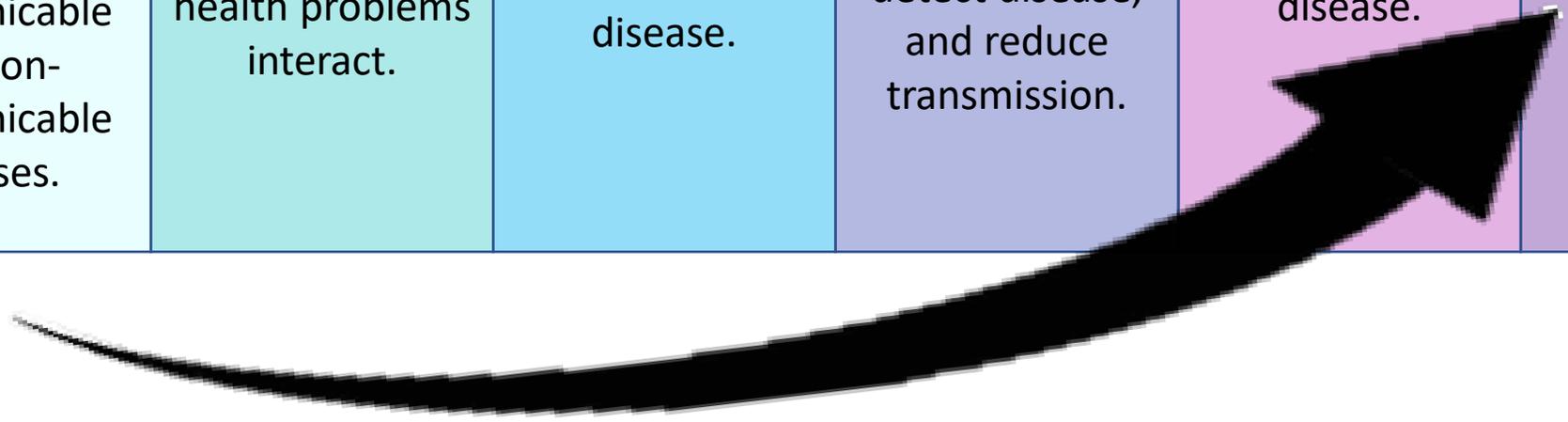
Describe how health problems interact.

Explain how bacteria and viruses cause disease.

Discuss the changes in technology which have allowed us to detect disease, and reduce transmission.

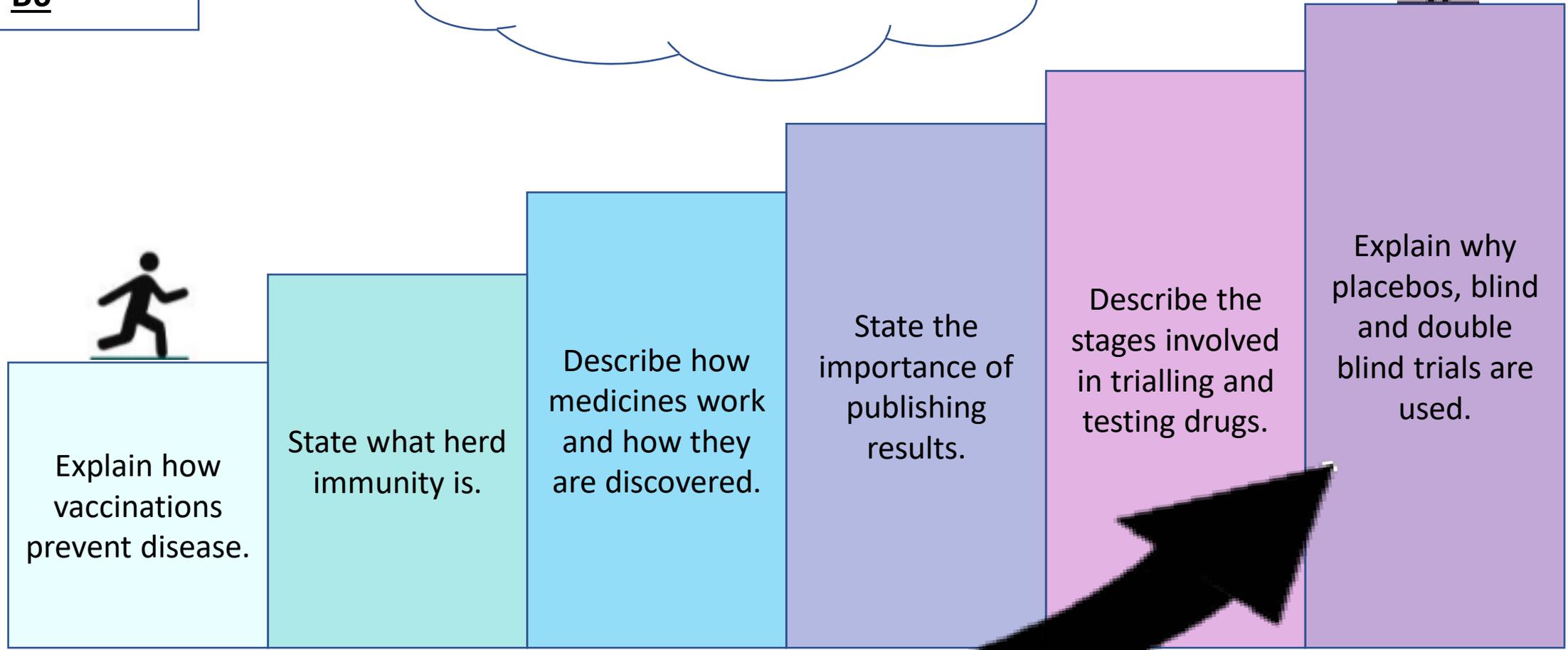
Give the symptoms, treatments and preventions of different communicable disease.

Explain how white blood cells defend against micro organisms.



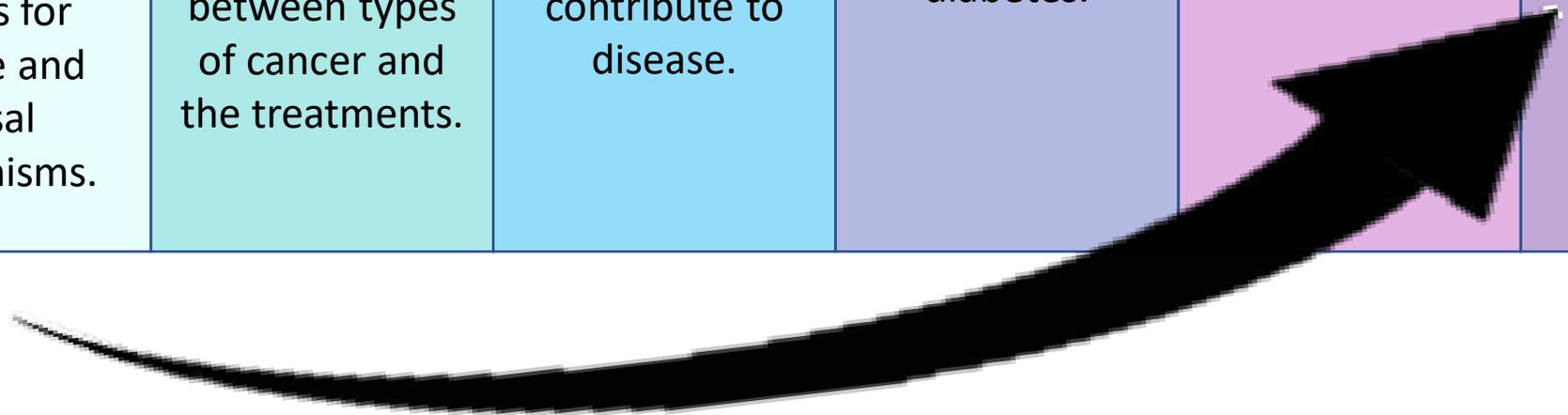
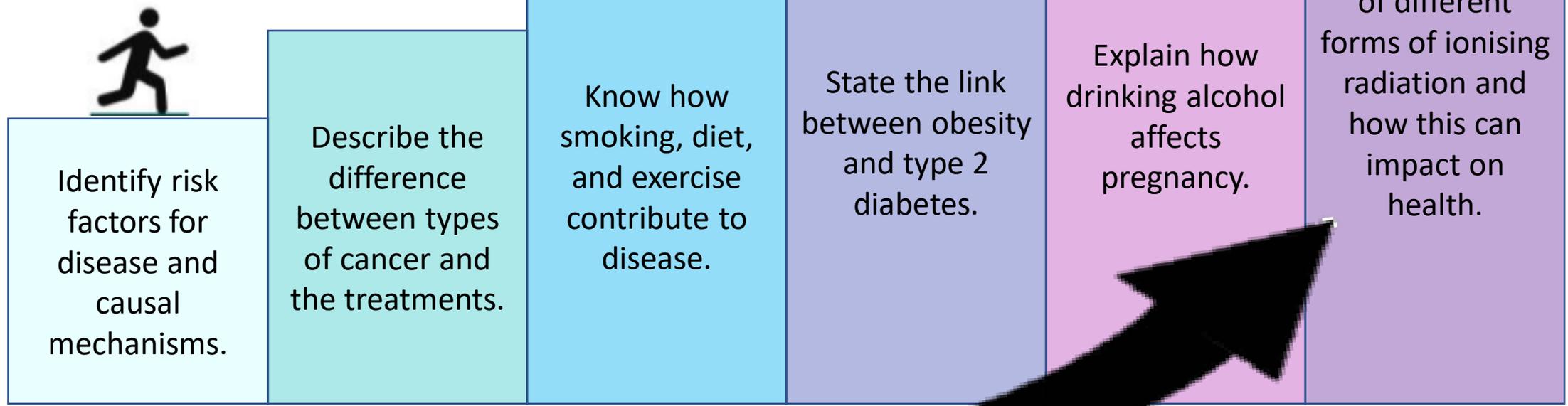
**Learning Journey**  
**Preventing and**  
**treating disease.**  
**B6**

Building on knowledge of diseases, white blood cells, vaccines, treatment of disease.



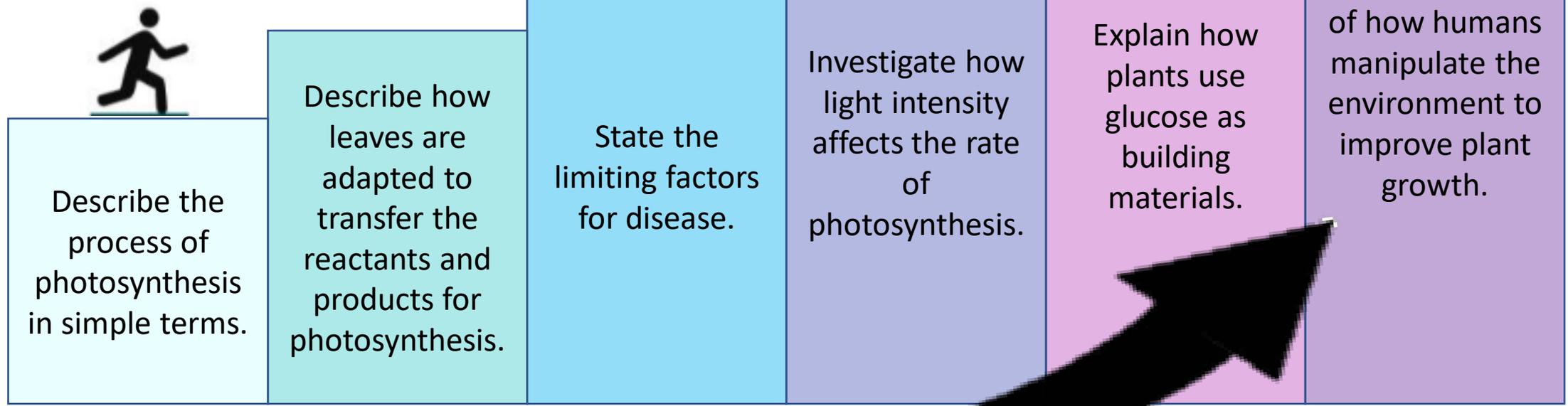
**Learning Journey**  
**Non-communicable**  
**disease B7**

Building on knowledge of smoking, healthy diets, development of the foetus.



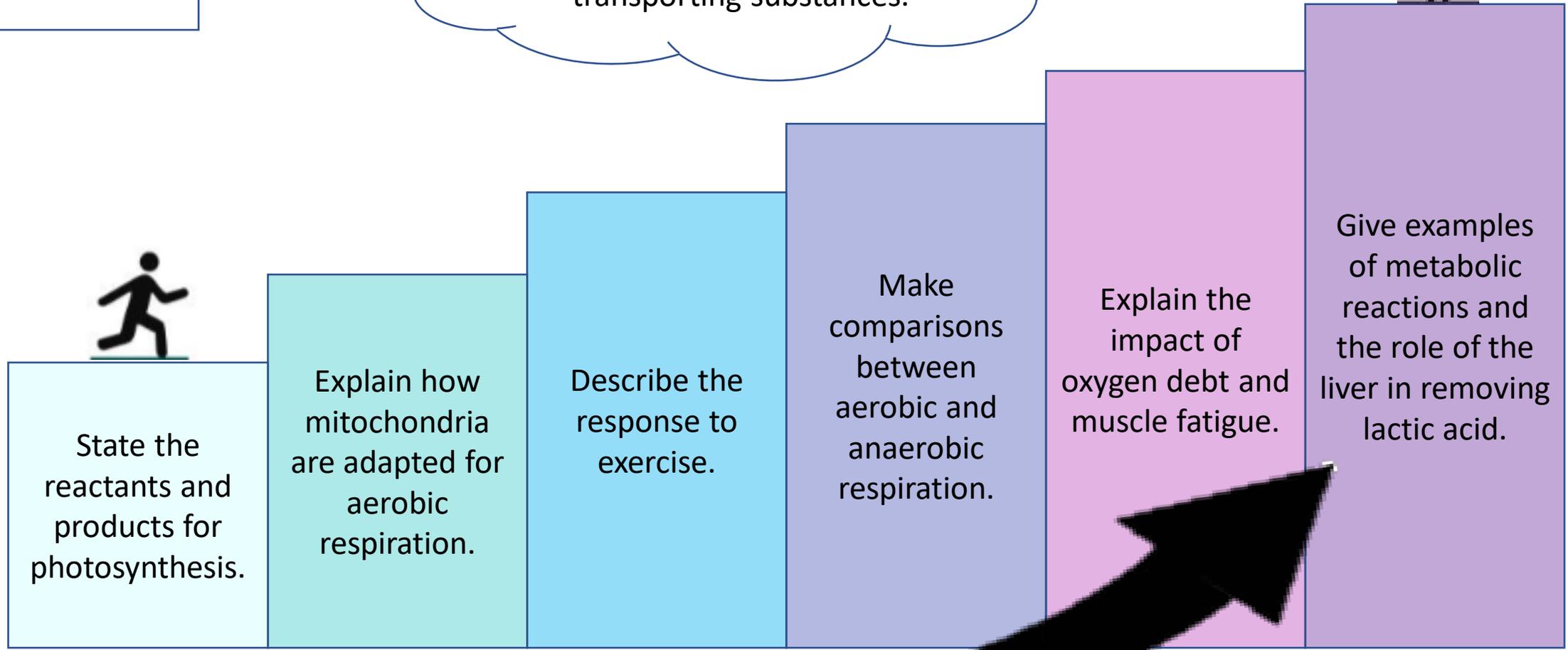
**Learning Journey**  
**Photosynthesis B9**

Building on knowledge of photosynthesis, leaf adaptations, plant growth, testing for starch.



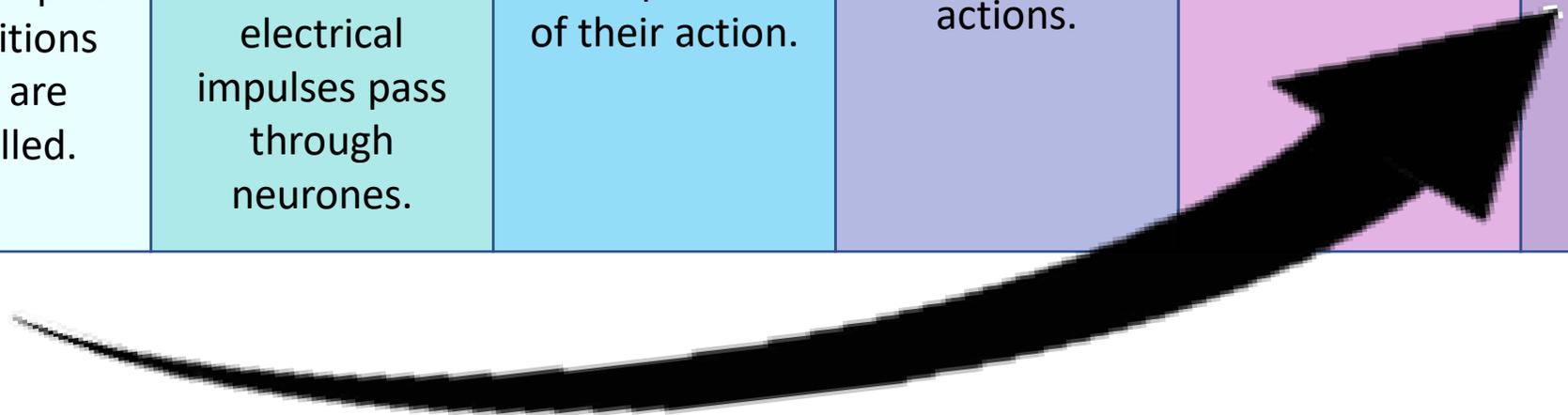
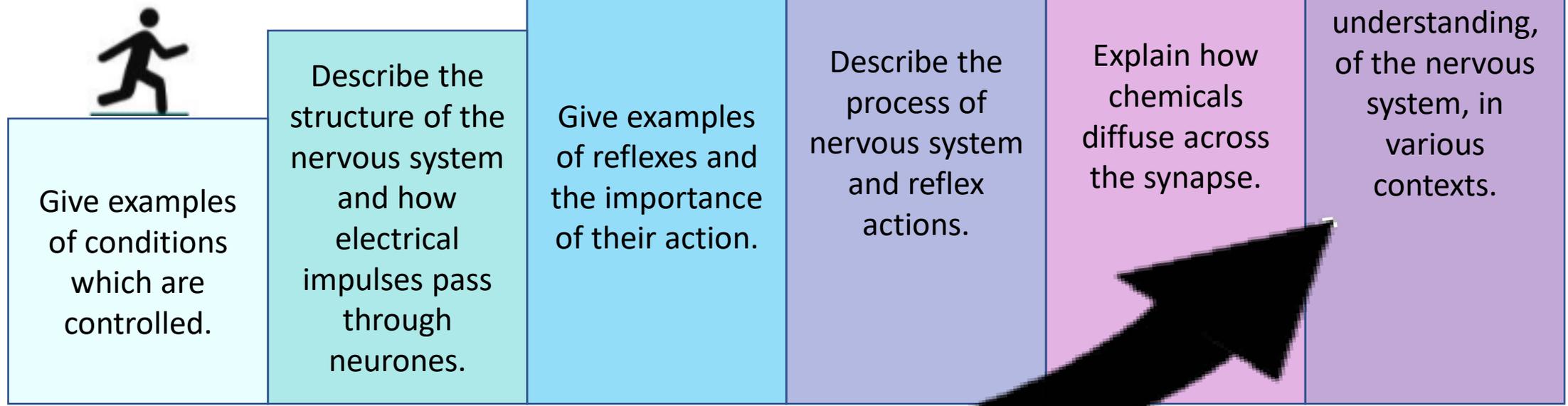
**Learning Journey**  
**Respiration B9**

Building on knowledge of respiration, exercise, structure of the respiratory system, transporting substances.



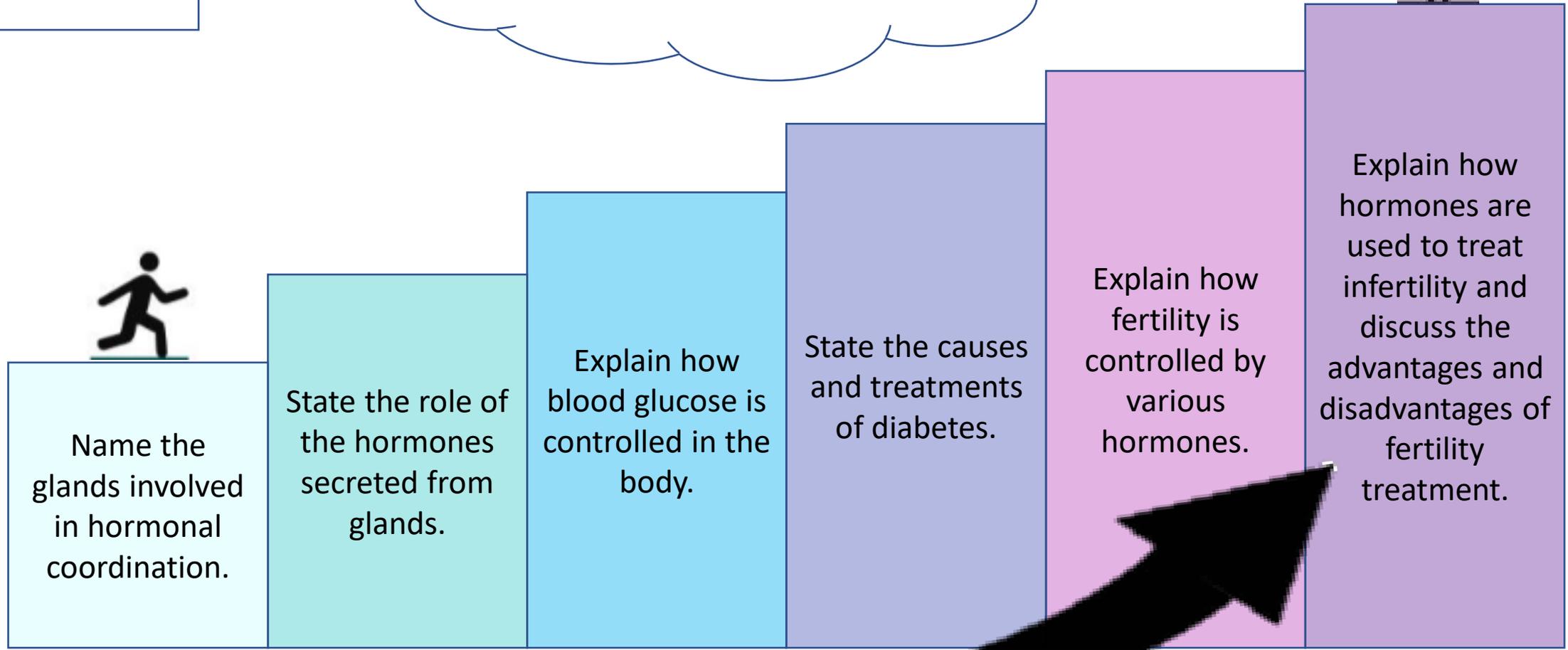
**Learning Journey**  
**The human nervous system**  
**B10**

Building on knowledge of sensory receptors – the 5 senses.



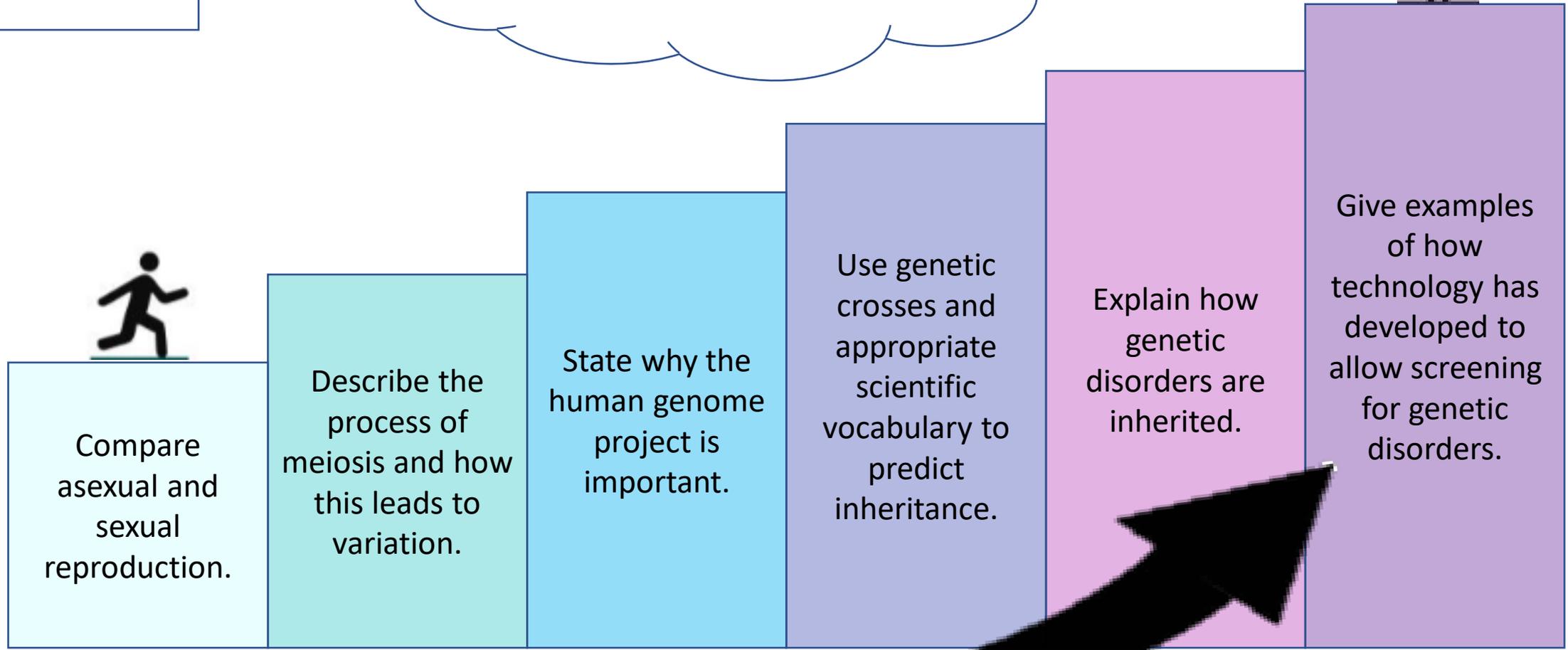
**Learning Journey**  
**Hormonal**  
**coordination B11**

Building on knowledge of the menstrual cycle.



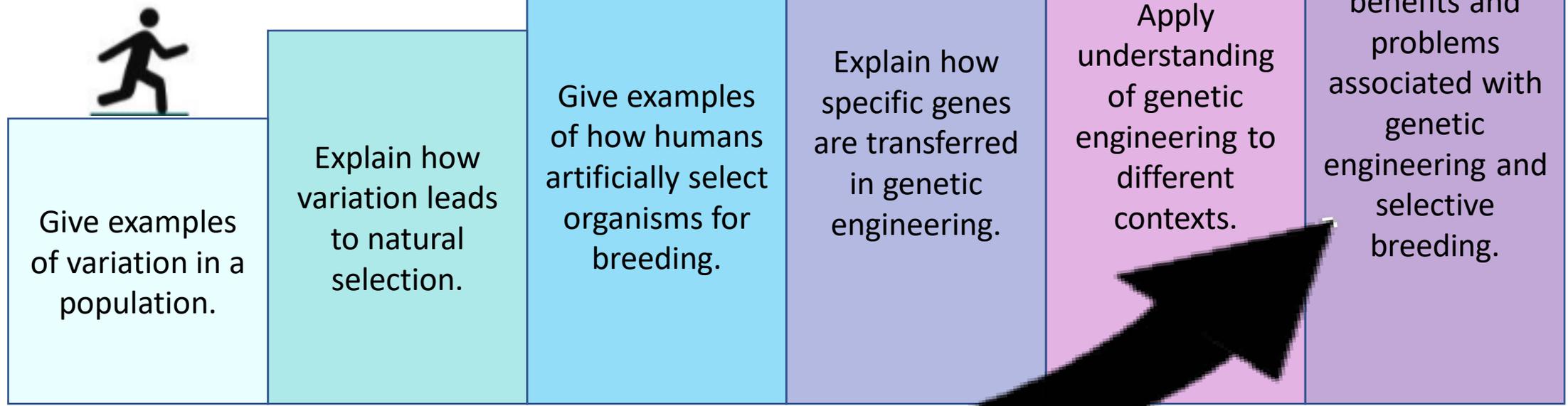
**Learning Journey**  
**Reproduction B12**

Building on knowledge of reproduction in plants and animals, genetic inheritance.



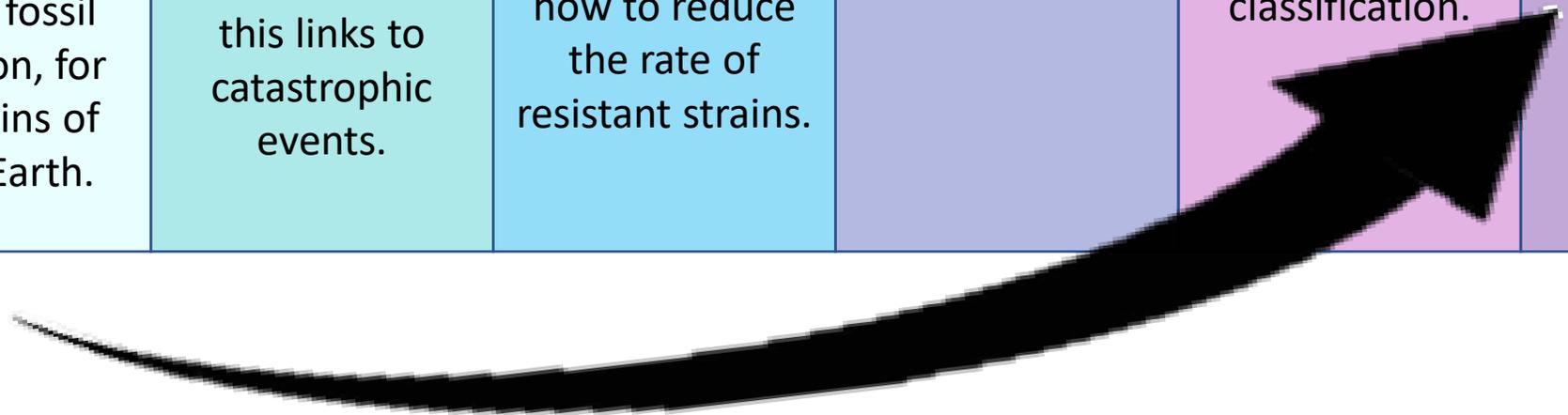
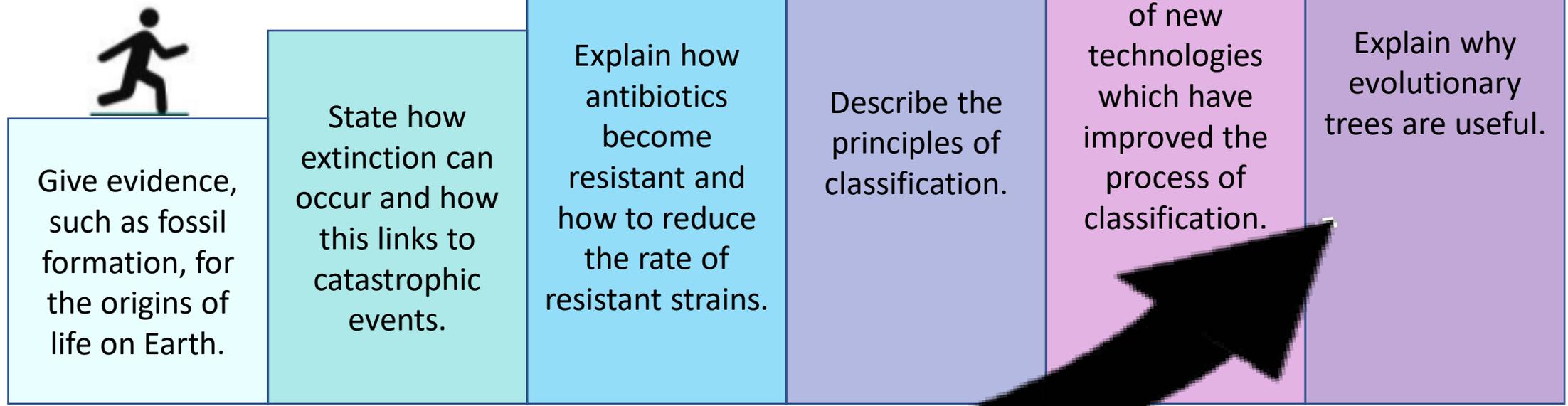
**Learning Journey**  
**Variation and**  
**evolution. B13**

Building on knowledge of genes, variation, selective breeding.



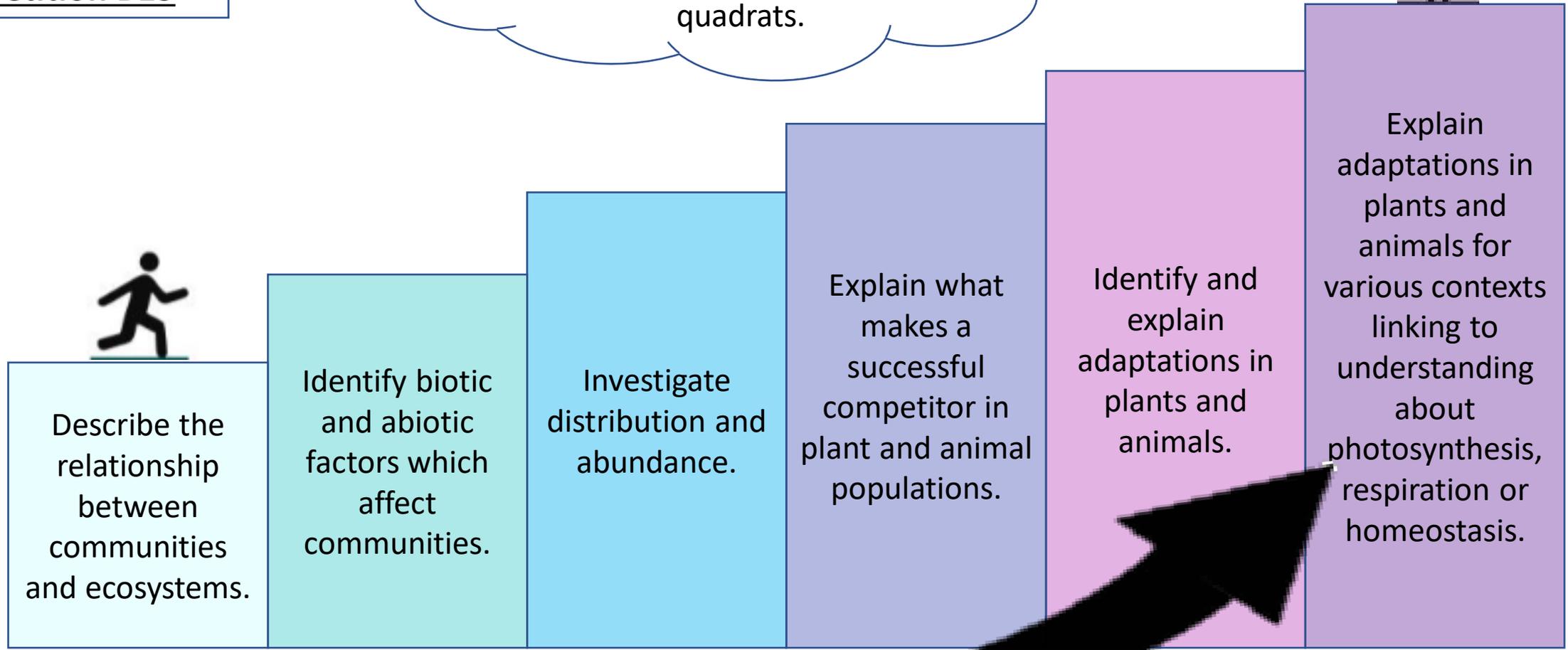
**Learning Journey**  
**Evidence for**  
**evolution B14**

Building on knowledge of fossil formation, dinosaurs, extinction, using keys.



**Learning Journey**  
**Adaptations,**  
**interdependence and**  
**competition B15**

Building on knowledge of animal adaptations, structure and adaptations of the leaf, respiration, photosynthesis, quadrats.



**Learning Journey**  
**Organising an**  
**ecosystem B16**

Building on knowledge of food chains, food webs, decay.



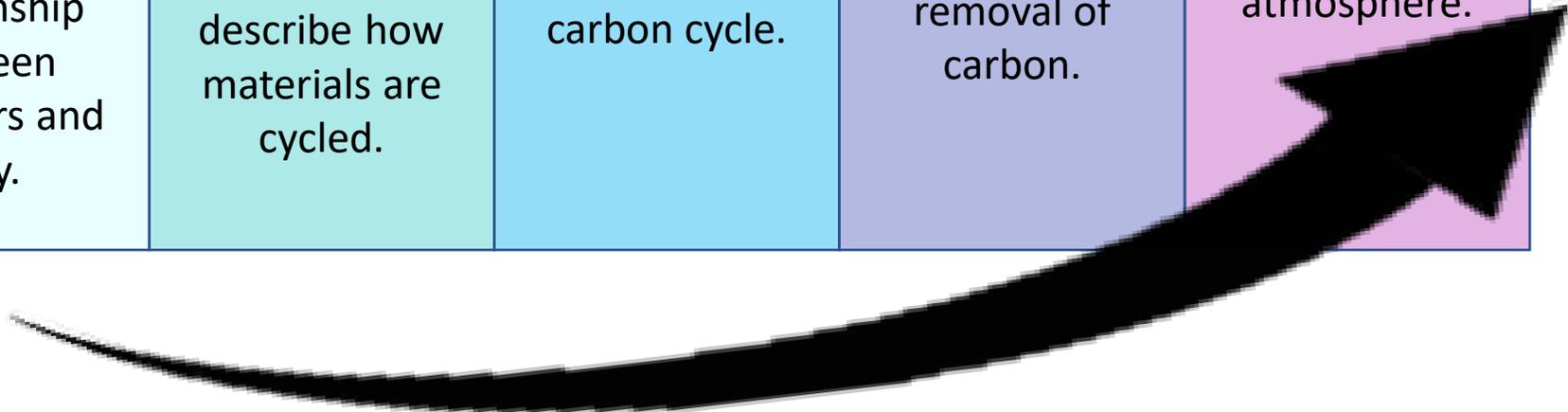
Describe the relationship between predators and prey.

State the importance of decay and describe how materials are cycled.

Name the processes involved in the carbon cycle.

Explain the links between the named processes and their addition or removal of carbon.

Suggest problems with maintaining the balance of carbon in the atmosphere.



**Learning Journey**  
**Biodiversity and**  
**ecosystems. B17**

Building on knowledge of pollution, global warming, climate change, recycling.

