Term 6: How healthy is our local pond ecosystem?

	(2) How do ecosystems function?	(3) Change	
e.g.,	Ecosystems must be balanced to function. This means that they need more	Many factors	

(1) Keywords The non-living components of an ecosystem e Abiotic rocks, sunlight, water The living components of an ecosystem e.g., Biotic animals, plants Producer An organism that creates its own food An organism that must eat other organisms to Consumer survive An organism that decomposers (breaks down) dead Decomposer matter into nutrients to be recycled. A linear series of organisms dependent on the Food chain next as a food source Food web A complex system of interdependent food chains A natural system made up of plants, animals and the Ecosystem environment

producers than consumers. The producers are then eaten by the primary consumers, who are eaten by secondary consumers.

If a change occurs, the whole ecosystem can be affected as the organisms are interdependent (rely on each other)



(4) Global biomes

Biomes are large scale ecosystems. There are many biomes in the world, each with their own climates, and plants and animals species that are **adapted** to live in that biome.



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(5) What are the stages of a fieldwork enquiry?

Stage	What do Geographers do?	There a
Hypothesis	This is a statement which we will test e.g. 'The pond ecosystem at TAH is healthy.'	commo
Data collection methods	This is where we plan what data to collect, how we will collect it and the equipment we need. We then go outside to collect the data.	Both ch and the Both ar
Data presentation	Once we have collected our data, we decide how to present it using a variety of appropriate graphs.	Pie cha the exa
Results	We study our presented data and identify trends and anomalies.	
Conclusion	This is where we use the evidence we have collected and conclude whether or not our hypothesis was cor- rect.	
Evaluation	This final state is arguably the most important. Here we judge whether or not our conclusion is reliable and how we might improve our techniques to get a more reliable conclusion in the future.	

es in an ecosystem

physical factors;

Year 9

Human

- Farmers removing Droughts hedgerows to increase field size
- Deforestation Tarmacking
- driveways Overfishing
- Damming rivers
- Pollution
- Mining
- Climate Change

(6) Data presentation

re many methods of data presentation. Two examples that are on include pie chart and bar charts.

narts are good presentation techniques to show quantitative data ey allow for easy comparisons to be made allow between data. re clear to see and easy to read.

irts are also great for showing percentages, however do not show ct amount when in a percentage. Which can be a limitation.









can affect an ecosystem, these include both human and

Physical

- Storms
- Volcanoes
- Wildfires
- Earthquakes
- Diseases
- Migration

Example

The wolves at Yellowstone National Park had to be reintroduced after hunting until they were gone from the park meant that the whole ecosystem was forced out of its natural equilibrium. This even caused the river to change its course!