

Aim

• To understand Libbie Hyman's work about classification.

Success Criteria

- I can describe Libbie Hyman's life and her work on invertebrates.
- I can classify invertebrates.
- I can describe the characteristics of invertebrates.



All animals can be classified as either vertebrates or invertebrates. What is the difference?

The difference between the two types of animals is that invertebrates do not have a backbone or spinal column.

Talk to your partner about the different phyla or classes of vertebrates and invertebrates that you can recall.





Vertebrates and Invertebrates





Class: Arachnids invertebrates? Class: Amphibians



Phylum: Annelids



Phylum: Molluscs

Phylum: Echinoderms



Class: Mammals



Class: Fish





Class: Insects



Class: Reptiles



Phylum: Crustaceans

Libbie Hyman

Libbie Hyman was a zoologist who researched vertebrates and invertebrates. She published highly detailed volumes of work about the characteristics and the taxonomy of invertebrates.

Her work is widely regarded as an incredible achievement and is considered to be extremely important and useful for the study of different animals.

She described the anatomy and characteristics of different vertebrates and invertebrates and explained how they should be classified.

The books that she wrote are still used by scientists today.

Libbie Hyman Fact File



Use your Libbie Hyman Fact File **Activity Sheet** to answer their questions. Your partner will fill in their fact file with your answers.

When your partner is in role as Hyman, you should ask them the questions on your fact file. They will answer in role, and you can complete your fact file.

Libbie Hyman Fact File A

To understand Libbie Hyman's work about classification.

- 10.What did Hym University?
- 11. While she was students were reference guide Comparative V
- 12. By 1930, Hymo vertebrates. He from her job at
- 13. What did Hym
- 14. What awards o published in 19
- 15. In 1967, at the The Invertebra

- Work with a partner to complete your fact files.
- 1. Libbie Hyman was born in 1888 in Des Moines, Iowa,
- 2. Who did Libbie Hyman live with while she was growing up?
- 3. Hyman's parents were Jewish immigrants. Her father was originally from Poland
- and her mother was from Germany.
- 4. What was Hyman's home life like?
- 5. As a child, Hyman was interested in nature, and collected moths and butterflies. She learned scientific names for flowers from her brothers' text books.
- 6. What did Hyman do after she graduated from high school?
- 7. Why did she eventually go to university?
- 8. At university, she wanted to study botany. However, she was put off by the anti-Semitic harassment (anti-Jewish bullying) that she encountered from a laboratory assistant. She studied zoology instead.
- 9. After she graduated, Hyman became a lab assistant. However, she was not free to pursue her career; her father had died and her mother still required Human to take care of the house for her and her brothers. Her mother disapproved of Hyman's





Science | Year 6 | Scientists and Inventors | Liobie Human

The Invertebrates

She attended art classes so that she could ill her own work.

work on the classification of invertebrates

Her accomplishments are considered so great because she conducted this incredible work by herself, without a team of researchers or any partners.

between 1940 and 1967. Human

She had no assistant or secretary, and typed every word of her books. This was very unusual and makes her achievements even more special.

Hyman's books are recognised as an authority on the anatomy and classification of invertebrates.

Invertebrate Information Page



Use your **Invertebrate Information Page Activity Sheet** to present your research.

To understand Libbie Hyman's work about classification.		To understand Libbie Hyman's work about classification.		To understand Libble Hyman's work about classification.	
Name of invertebrate:		Name of invertebrate:		Name of invertebrate:	
Illustration	Habitat and Behaviour: Where does the invertebrate live?	Scientific name:		Scientific name:	
	What does it eat? Does anything eat it?	♦ Illustration	Habitat and Behaviour: Where does the invertebrate live? What does it eat? Does anything eat it?	♦ Illustration	Habitat and Behaviour
O How is this invertebrate class Domain: Kingdom: Phylum: Class: Order: Family:	Physical Characteristics: What does the invertebrate look like What features does it have?	How is this invertebrate classified? Use the levels of the scientific classification system.	Physical Characteristics: What does the invertebrate look like? What features does it have? How do these features help to classify it?	How is this invertebrate classified?	Physical Characteristics

Invertebrate Information Page

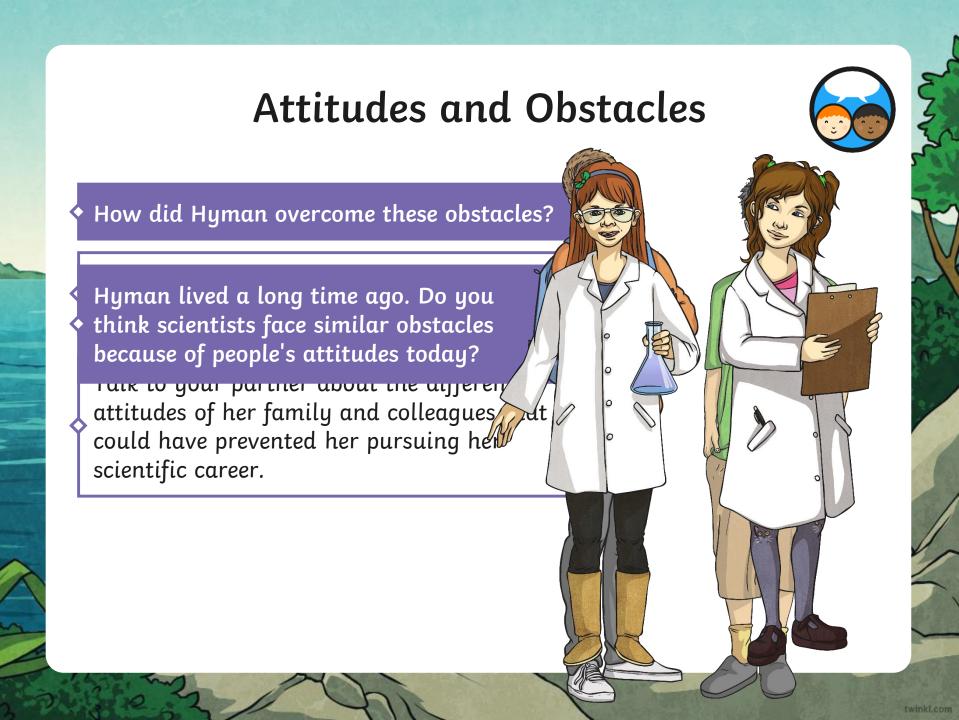


Choose from this list of invertebrates, or research an invertebrate of your own choice.

- seven-spot ladybird
- peacock butterfly
- ◆ lion's mane jellyfish
- emperor scorpion

- ◆ Japanese spider crab
- common octopus
- purple sunstar
- common earthworm





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