

Teacher Resource Sheet: Glass animals adaptations and biology (Year 7-12) suggested answers

Phase of learning

Years 7 - 8, Years 9 - 10, Senior Secondary (Years 11-12)

WA Curriculum

K-10 Science, SS Biology – General, SS Earth and Environmental Science – General, SS Marine and Maritime Studies – General

Region

North Coast, Gascoyne Coast, West Coast, South Coast, Indian Ocean Territories

Summary

This teacher resource sheet is associated with the Lesson: Deep sea animals, adaptations and biology (Year 7-12) and Student Worksheet: Glass animals adaptations and biology (Year 7-12)

Use the resource cards to fill in the grid

Animal	Name	Phylum	Translucent?	Bioluminescent?	Habitat	Reproduction type	Adaptations from transparency: Name unique adaptations (colourless muscles, phosphorescence)
	Glass sponge	Porifera	✓	✗	Deep-sea	Sexual or asexual	Can regenerate tissues and live "immortally" (2)
	Bioluminescent jellyfish	Cnidaria	✓	✓	Deep-sea	Sexual	Can recover from an injury by a process called "transparency" (2)
	Barrelfish	Chordata	✓	✗	Deep-sea	Sexual	Can rotate its eyes to look above the animal positioned or to float off its body (see the page) (2 and 8)
	Sea slug	Mollusca	✓	✓	Deep-sea	Sexual	Can reduce its body size and survive long periods without food (2)
	Sea slug	Cnidaria	✓	✗	Deep-sea	Sexual or asexual	Moves using jet propulsion (2 and 8)
	Glass octopus	Mollusca	✓	✓	Deep-sea	Sexual	Uses bioluminescence to make its body "glow", allowing it to blend with its dark environment (2 and 8)

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[E?054?22 Student worksheet 7-12 ANSWERS](#)

Related resources

[Fact Sheet: Glass animals, adaptations and biology](#)

[Lesson: Glass animals, adaptations and biology](#)

[Student Worksheet: Glass animals adaptations and biology \(Year 7-12\)](#)

[Teacher Resource Sheet: Glass animals glossary and information cards \(Year 7-12\)](#)