

Glass Sponge Documentary + Questions

Link to Documentary: <https://gem.cbc.ca/media/absolutely-canadian/s20e10?cmp=sch-moonless>

Link to Website: <https://www.glasssponge.com/>

Complete the following questions based on the website pages: “About Sponge” and “Sponge 101”. Your answers to #3-6 must be in full sentences, and in your own words.

- 1) When did glass sponges first evolve? (0.5 marks)
- 2) What compound are spicules made of? Draw the spicule that is shown on the website. (0.5 marks)
- 3) How do glass sponges differ from other sponges? (Hint: “What makes glass sponge unique?”) (1 mark)
- 4) Why is the glass sponge reef in Howe Sound so special for scientists? (1 mark)
- 5) How do glass sponge reefs form? (2 marks)
- 6) Describe two functions of sponge reefs in ecosystems. (2 marks)

Choose one of the following questions to answer using external sources.

- 7) Option A: What are spicules and what are they for? What other shapes can they have? (1 mark)
- 8) Option B: Where do glass sponges get their name? What do they have in common with man-made glass? (1 mark)

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