**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.*

1. Option A: What are spicules and what are they for? What other shapes can they have? (1 mark)
2. 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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