

Starfish Dissection

Procedure 2: Self-Guided Starfish Dissection

Materials: Preserved starfish, dissecting pan, scissors, scalpel, forceps, T-pins, pencil, lab apron, safety glasses

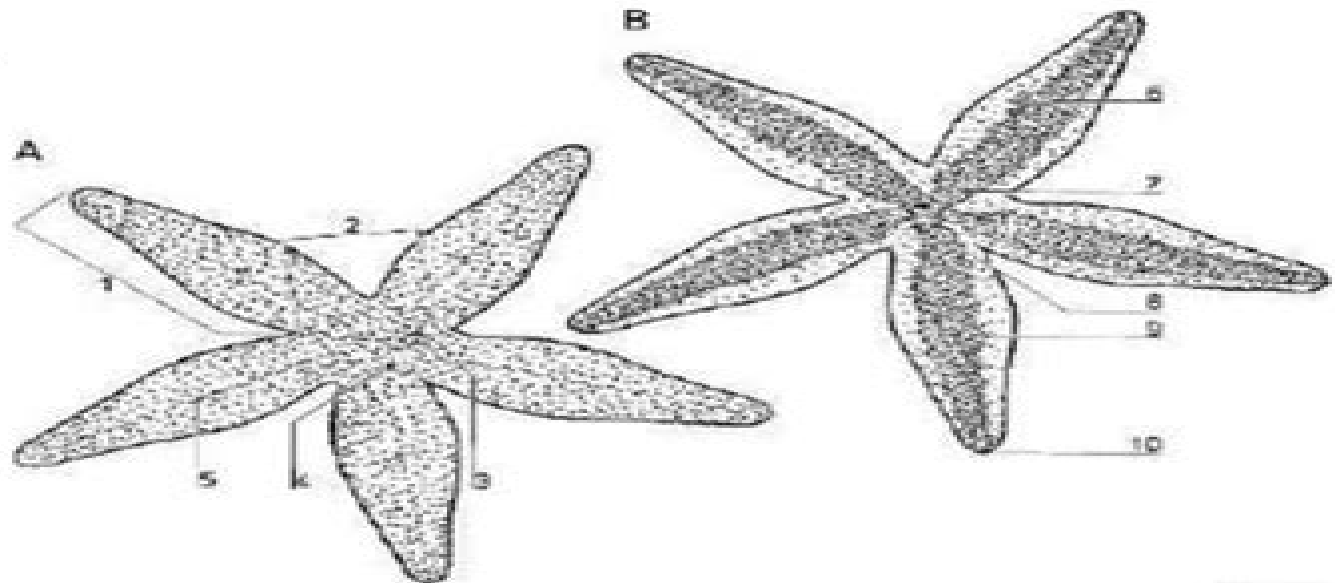
Procedure (Aboral Surface):

1. Obtain a preserved starfish and rinse off preservative with tap water.
2. Place the starfish in the dissecting pan with its dorsal or aboral (top) surface upward.
3. Observe the starfish and determine its **symmetry**. _____
4. Locate the **central disc**. Count and record the number of arms or rays the starfish has. _____
5. Locate the small, round hard plate called the **madreporite** on top of the central disc. Water enters through this into the water vascular system. Label the **central disc**, **arms**, and **madreporite** on **Figure 1A**.
6. The **anus**, for excretion following digestion, is a smaller opening right next to the **madreporite**. Label this on **Figure 1A**.
7. Feel the upper surface of the starfish for **spines**. These spines protect the starfish and are part of their **internal skeleton**. Label this on **Figure 1A**. Between each spine are **skin gills**. These are pores that allow the starfish to take in oxygen for cellular respiration.

Figure 1: A = Aboral Surface, B = Oral Surface

Procedure (Oral Surface):

8. Turn the starfish over to its ventral or oral surface (underside).
9. Look at the tip of each arm and find the **eyespot**. Label this on **Figure 1B**.
10. Locate the **mouth** in the center of the central disc. Find the ring of **oral spines** surrounding the mouth. Label these structures on **Figure 1B**.
11. Find the groove that extends down the underside of each arm. This is called the **ambulacral groove**. Label this on **Figure 1B**.
12. Feel the numerous, soft **tube feet** inside each groove. These are part of the **water vascular system** & aid in movement and feeding. Label these on **Figure 1B**.



Starfish Dissection Questions Answers

R Barnett



Starfish Dissection Questions Answers:

Starfish Dissection Questions Answers Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become much more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is actually remarkable. This extraordinary book, aptly titled "**Starfish Dissection Questions Answers**," published by a very acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we shall delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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