

Invertebrate *Speed Dating*

Bio Realm – Animal Diversity

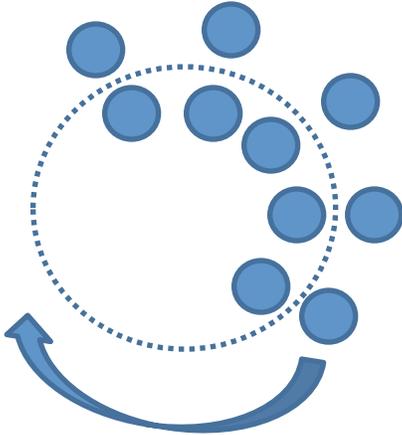
Course – Bio 132 can be done in lab or lecture

Strategy - Speed Dating

Length – 20 minutes (instructor can decrease/increase time)

Audience– whole class

The goal of this activity is to review the characteristics exhibited by the major phyla and classes of invertebrate animals.



Student Instructions:

1. Your instructor has assigned you a specific invertebrate animal with a number (1-24). Spend 3-5 minutes reviewing the phylum and class characteristics of your specific organism.
2. On a piece of paper, write down the numbers 1-24. Your goal is to determine the identity of each of your classmates (but, you may not have time to interact with everyone).
3. Partner with a classmate.
 - a. Your instructor may have you form a circle or lines to make it easier to rotate through pairs.
 - b. Inform your partner what number you were assigned (do not share the identify of your animal)
4. When in instructor says “Go!” each pair has two minutes to ask each other questions with the goal of determining what animal each person has.
 - a. The questions you ask each other should focus on the characteristics of the animals’ organ systems, body plans, ecology, etc.
 - i. For example: What type of symmetry does your organism exhibit? How do you describe your circulatory system? What type of food do you consume and how do you obtain it?
5. When the instructor says “Stop!” write the phylum/class name for the organism you believe your partner has.
 - a. Do NOT tell anyone what your animal is yet.
6. Rotate to a different partner and wait for the instructor to say “Go” again.
7. This is repeated until the instructor tells you to quit; you will not have spoken with all 23 of your classmates.
8. To wrap-up the review, each student will share his/her identity with the rest of the class and complete additional reviews as requested by the instructor.

Possible List of Invertebrates:

Animal	Phylum
1. earthworm	annelida
2. leech	annelida
3. <i>Nereis</i> marine worm	annelida
4. centipede	arthropod
5. horseshoe crab	arthropod
6. blue crab	arthropod
7. butterfly	arthropod
8. wolf spider	arthropod
9. grasshopper	arthropod
10. jelly fish	cnidaria
11. coral	cnidaria
12. sea anemone	cnidaria
13. star fish	echinodermata
14. sea urchin	echinodermata
15. clam	mollusca
16. octopus	mollusca
17. snail	mollusca
18. dog heartworm	nematode
19. <i>Ascaris</i> roundworm	nematode
20. liver fluke	platyhelminthes
21. tapeworm	platyhelminthes
22. planaria	platyhelminthes
23. Hexactinellid (glass) sponge	porifera
24. <i>Grantia</i> sponge	porifera