

# NICE GENES!

a podcast by  
Genome  
British Columbia

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Season 3



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episode III

NATURE IS QUEER



PG-13



List some examples of same-sex behaviours in nature

① \_\_\_\_\_

② \_\_\_\_\_

③ \_\_\_\_\_

Explain the Darwinian Paradox:

What counterpoint to the Darwinian Paradox does Dr. Monk and their team propose?

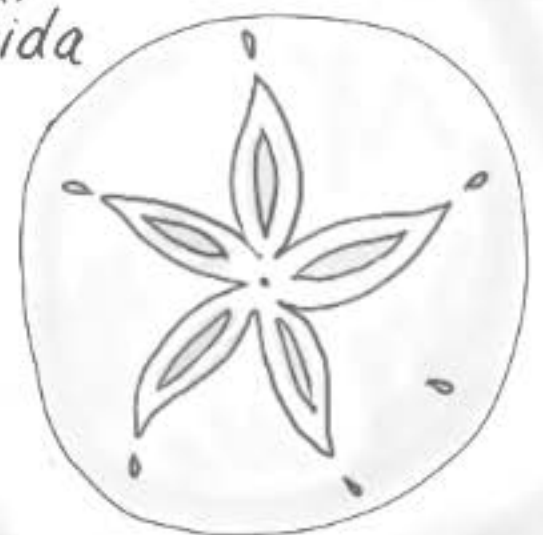
What reasons might a scientist have for not communicating their observations of same-sex behaviour in animals?



California sea cucumber  
*Parastichopus californicus*



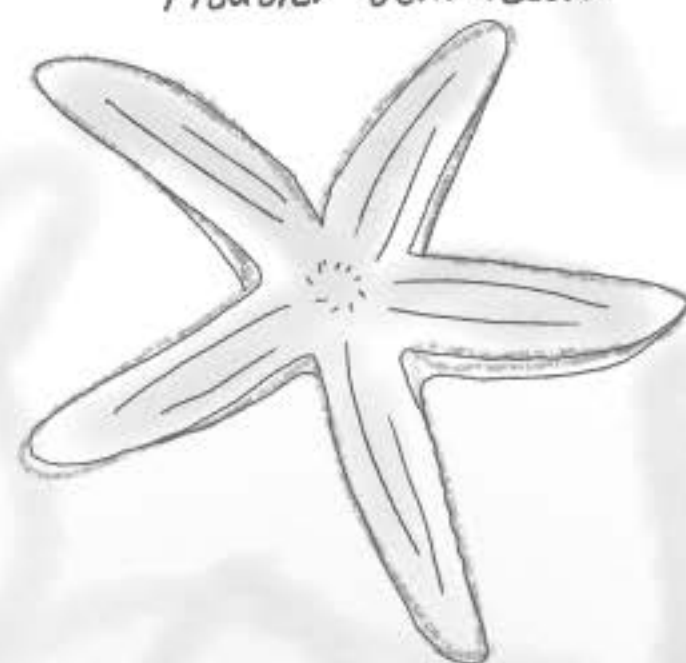
Sand Dollar  
*Clypeasteroidea*



Crinoid  
Crinodea



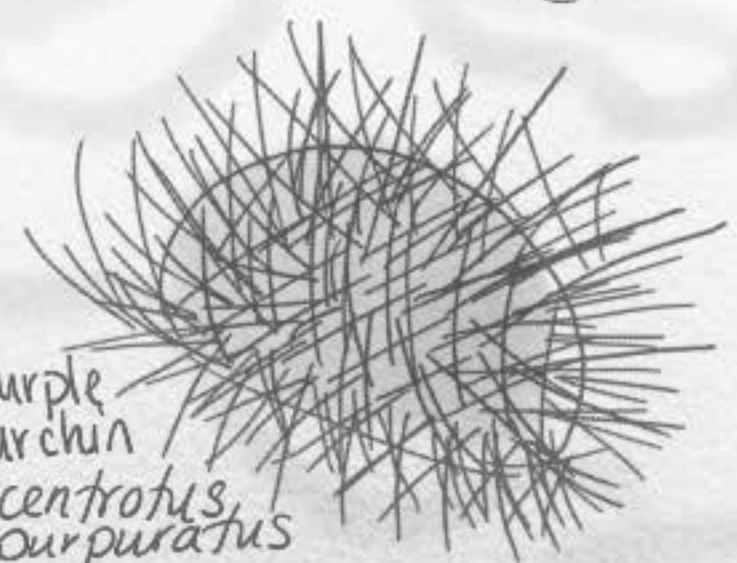
Purple ochre sea star  
*Pisaster ochraceus*



Brittle star  
Ophiuroidea



Pacific purple sea urchin  
*Strongylocentrotus purpuratus*



# ECHINODERM

"those having hedgehog skin"

# What is the Ancestral Indiscriminate Breeding Hypothesis?

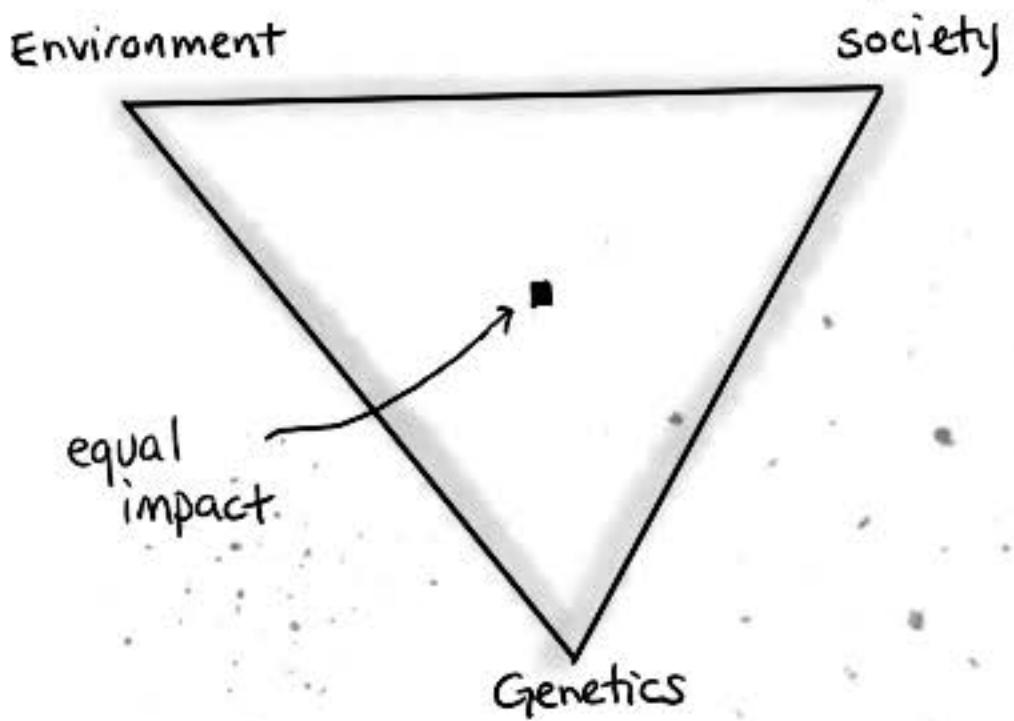
"It will NEVER be possible to *meaningfully* predict someone's sexual behaviour from their genes alone"  
-Dr. Robbee Weedow

So is there a "Gay Gene"?  
What did Dr. Robbee Weedow find out and why is this important?

How might these findings be misused?

- a) \_\_\_\_\_
- b) \_\_\_\_\_
- c) \_\_\_\_\_

Below is a rough visualization showing the relationship between environment, society and genetics on the outcome of someone being queer. Place a star ★ in the triangle where you think it would go and explain your answer.



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