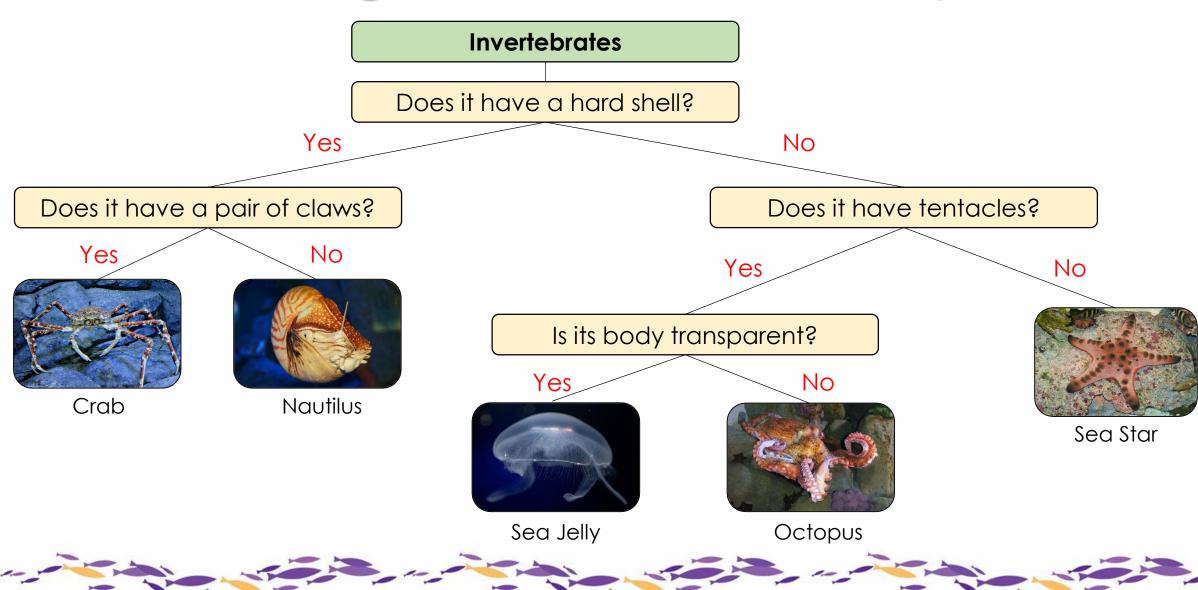


# What is a Dichotomous Key?

- A tool used to identify organisms based on observable characteristics
- "Dichotomous" means divided into 2 parts
  - Always presents 2 distinct choices at each step
- Useful with limited background knowledge of species and lack of access to other identification technologies

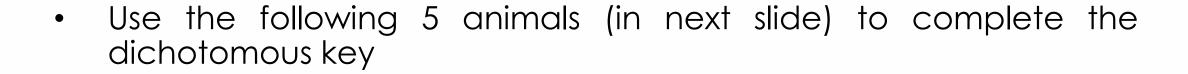
# Using a Dichotomous Key



# Complete the Dichotomous Key

#### You will need to:

- Refer to your Complete the Dichotomous Key worksheet
- Gather in groups of 4

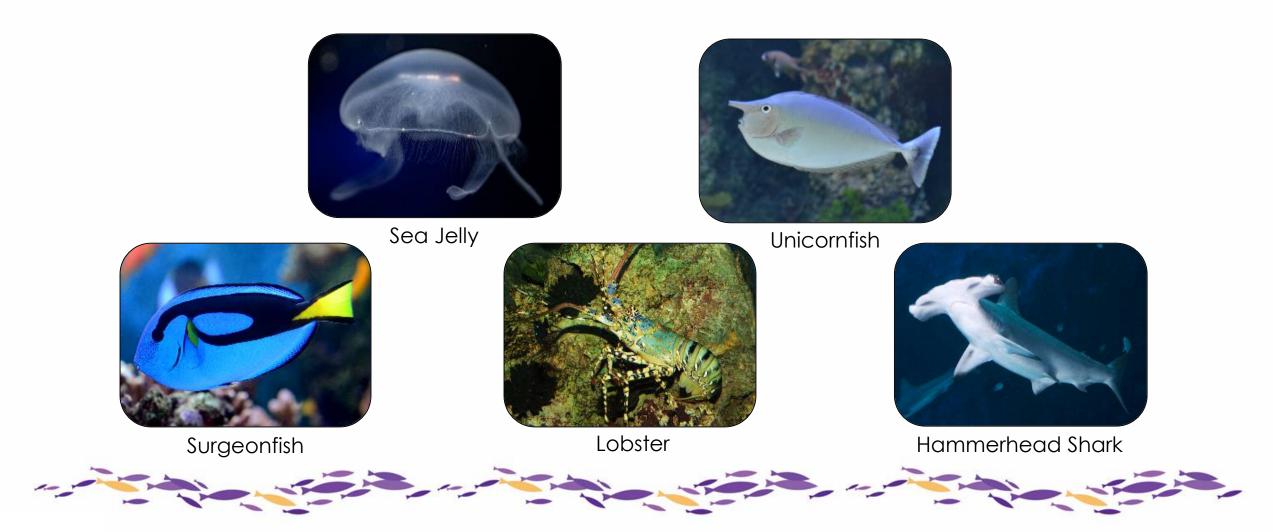


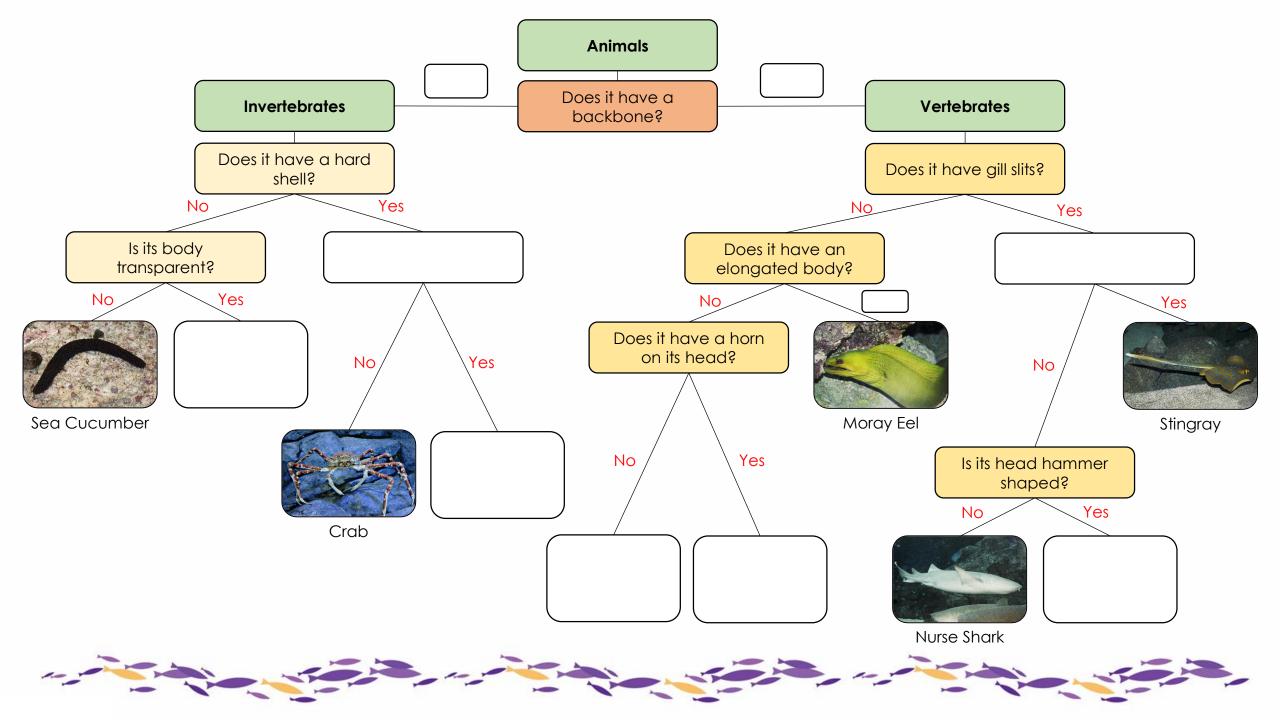
Discuss with your group mates and complete your worksheets!



# Complete the Dichotomous Key

Using these 5 animals, complete the partially-constructed dichotomous key in your worksheet.

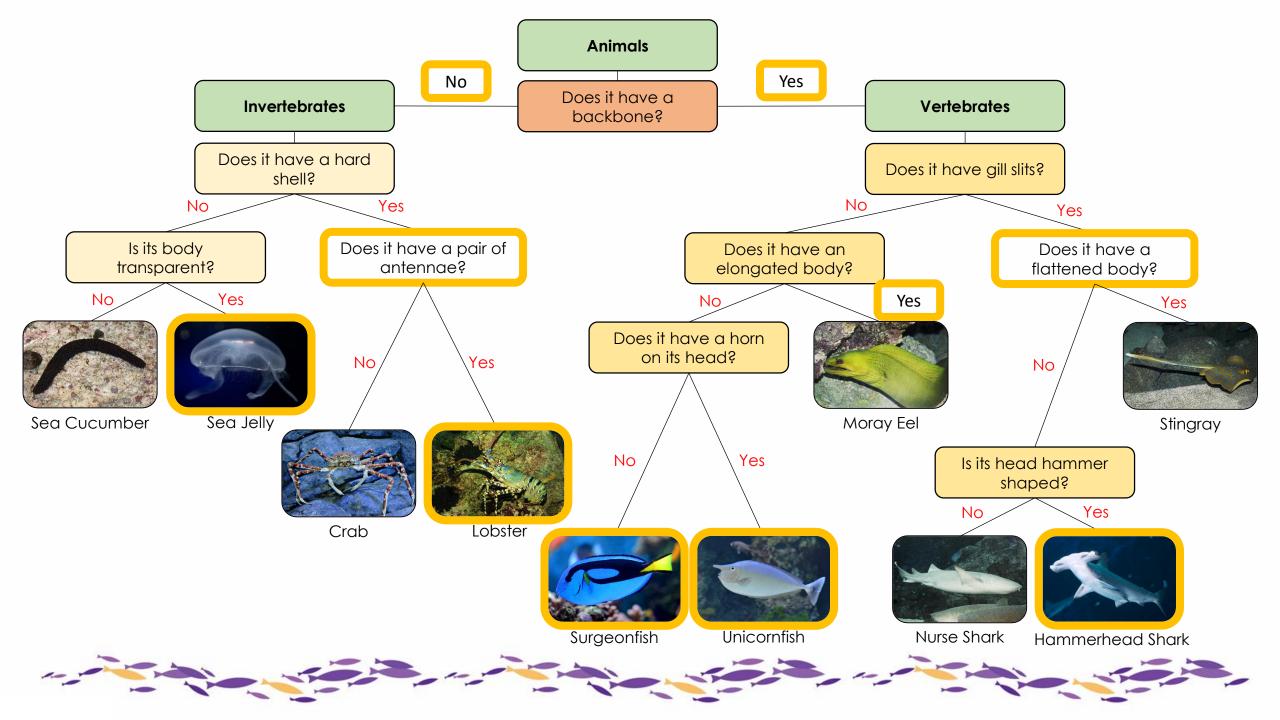




#### Completed your dichotomous key?

Let's check out some suggested answers!





#### Construct Your Own Dichotomous Key

A friendly alien from our neighbouring planet will be visiting Earth for the first time!

As such, students are enlisted to help create a dichotomous key with 15 different marine animals for our alien friend to easily identify them during his visit here!





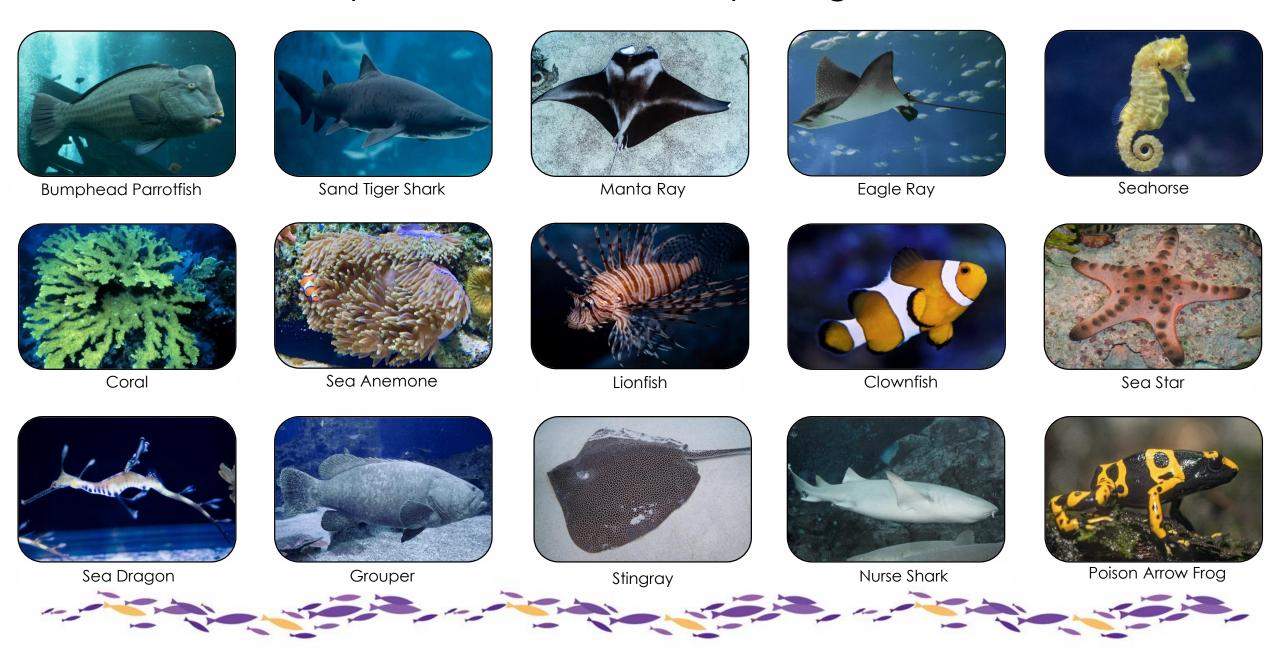
### Construct Your Own Dichotomous Key

#### You will need to:

- Gather in groups of 4
- Collect flipchart papers and markers from your teacher
- Construct a dichotomous key with your group mates using all 15 animals shown in the next slide



#### Construct your dichotomous key using these animals!



### Construct Your Own Dichotomous Key

#### Tips:

- List and organise observable characteristics, starting with general characteristics
- Use more specific questions and traits as you progress further
- At each branching point, use questions that only lead to a Yes or No
- Focus on one characteristic at a time





#### Constructed your dichotomous key?

Exchange your dichotomous key with your neighbouring group and test it out!

