

Plastic Impacts:

Secondary and Tertiary Consumers

Read this article, then answer question 1:

<https://www.nationalgeographic.org/media/coral-reef-food-web/>

The resource carousel at the top contains more information about predators and prey in the ocean. Scroll to the fourth image, with the caption *Coral Reef Food Web First Order Consumers to Intermediate Predators*.

(Note that *intermediate predator* is another name for secondary and tertiary consumers.)

1. Find the numbers at the ends of the yellow arrowheads. (For example, #17 is at the end of a yellow arrowhead, but #1 is not.) Write these numbers below.

Now scroll to the eighth and final image, with the caption *Coral Reef Illustration Key*. Use the key to name each of the species you wrote down in question one above.

Read this article, then answer questions 2 and 3:

<https://www.nationalgeographic.com/magazine/2018/06/plastic-planet-animals-wildlife-impact-waste-pollution/?ngscourse>

2. How many species of animals so far have been reported to be affected by plastic entanglement and/or ingestion?

3. Name four ways that plastics impact wildlife as mentioned in this article.

Read this article, then answer questions 4 and 5:

<https://www.nationalgeographic.com/environment/2018/09/news-jellyfish-plastic-cigarette-wrapper/?ngscourse>

4. Why do so many marine animals eat plastic?

5. What impact could this plastic have on the jellyfish and on other animals?

Complete this side when you return to your project group.

Trophic Level	Example Organisms	Ingestion Impacts	Entanglement Impacts
Primary Consumers			
Secondary and Tertiary Consumers			

Apex Predators			
Decomposers			