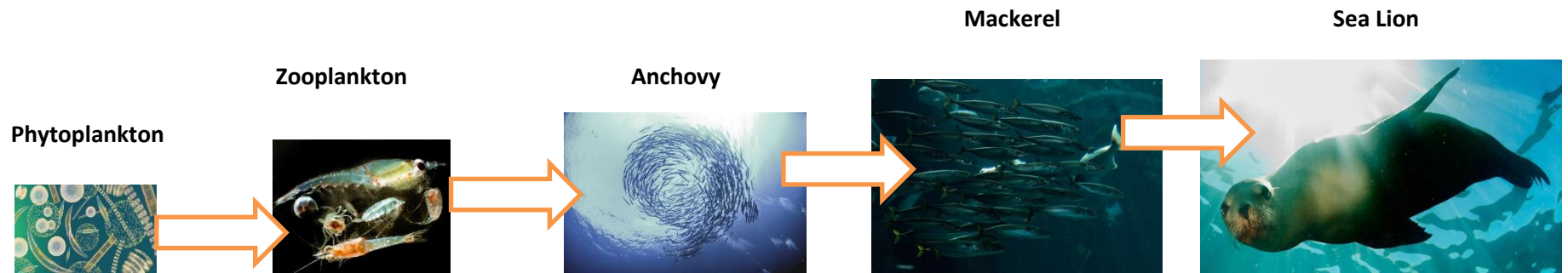


Marine Bioaccumulation & Biomagnification

TEACHER KEY

Question: How many units of toxin would a sea lion ingest as toxins make their way up the food chain?



<p>Assume there is <u>1 toxin "unit" per each phytoplankton</u></p>	<p><u>How many units of toxin would zooplankton ingest if they each consumed 10 phytoplankton</u></p> <p>= <u>10</u> units per zooplankton</p>	<p><u>How many units of toxin would each anchovy ingest if they each consumed 100 zooplankton</u></p> <p>= <u>1000</u> units per anchovy</p>	<p><u>How many units of toxin would each mackerel ingest if they consumed 2 anchovy</u></p> <p>= <u>2000</u> units Per mackerel</p>	<p><u>A sea lion consumes 10 mackerel. How many units of toxin did it ingest?</u></p>
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Answer:

20,000 units of toxins!