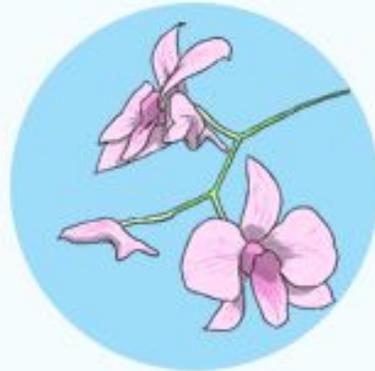


Can I compare the requirements of different plants?



Sunflower



Orchid



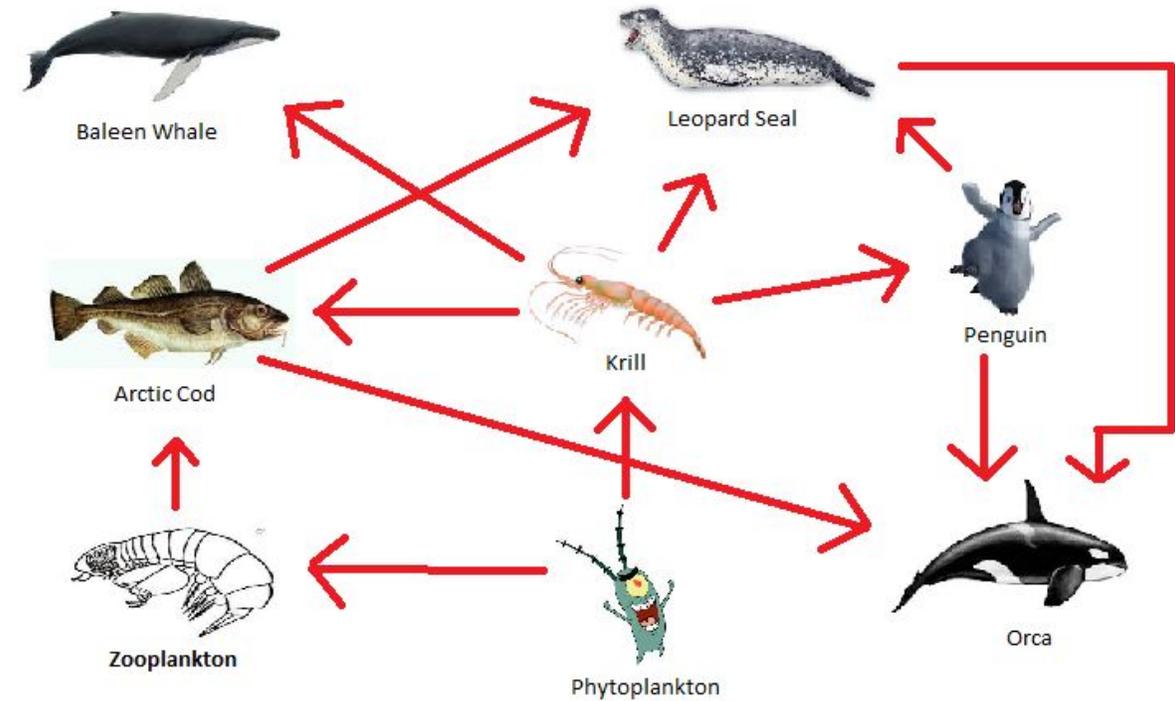
Tomato plant

Fast Five

- 1) Which food sources are the producers?
- 2) Which food sources are the consumers?
- 3) Which animals eat the Krill?

Challenge:

What would happen if the arctic cod was removed from the food web?

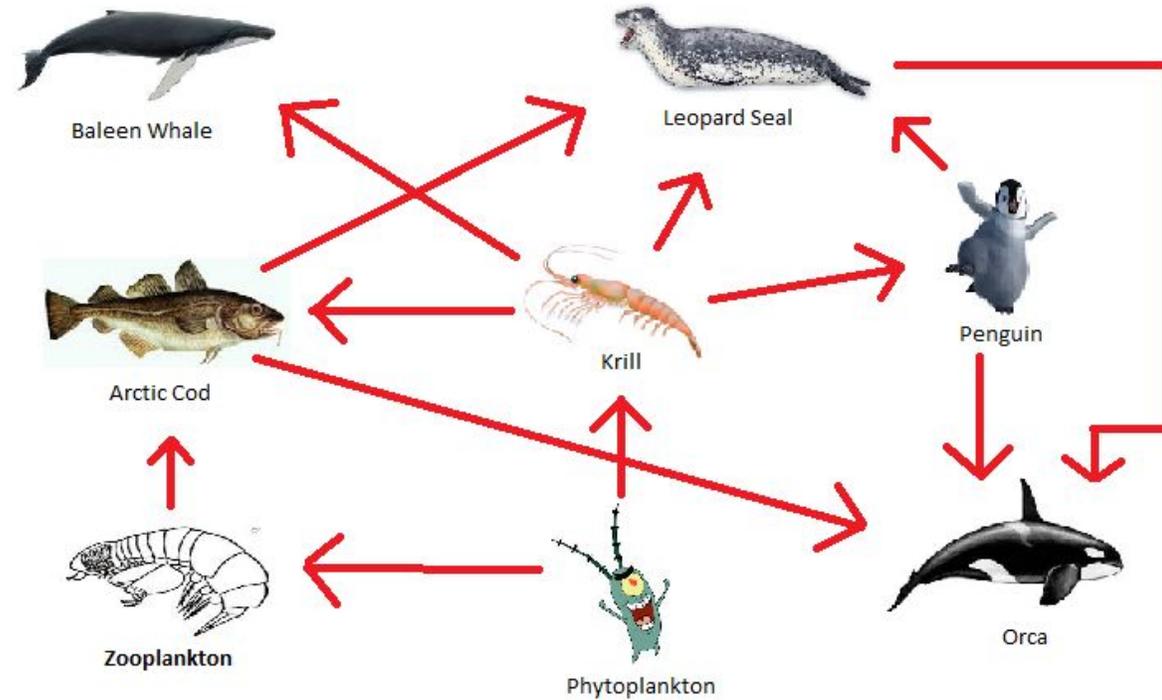


Fast Five (Answers)

- 1) Which food sources are the producers?
Phytoplankton
- 2) Which food sources are the consumers?
Krill, Penguin, Orca, Zooplankton, Arctic cod, Leopard Seal, Baleen Whale.
- 3) Which animals eat the Krill? Penguin, Arctic Cod, Leopard Seal

Challenge:

What would happen if the arctic cod was removed from the food web? The Leopard seal and the Orca would have to eat just the penguins, which would lead to fewer penguins, and potentially fewer Leopard Seals and fewer Orca

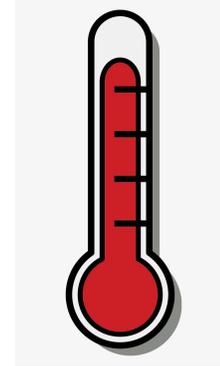


Plants need the following things to keep them alive:

Sunlight

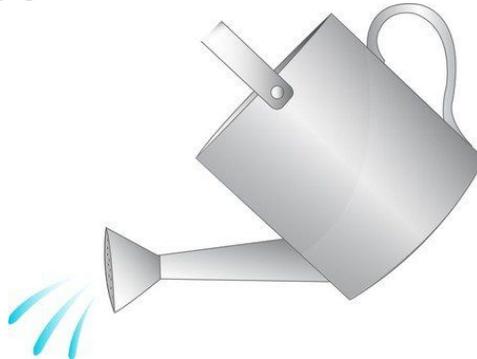


The right temperature

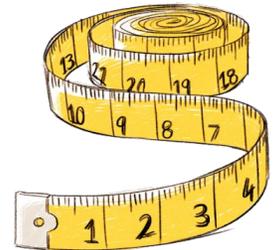
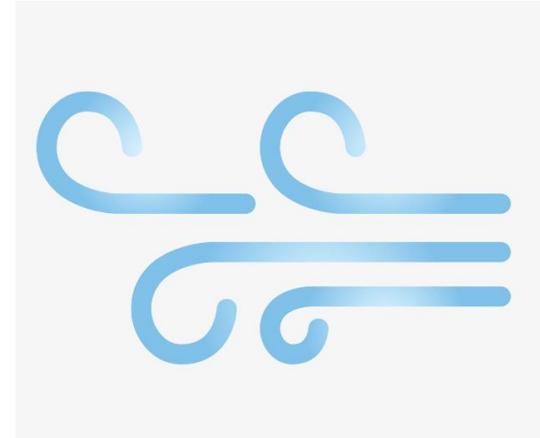


The right nutrients from the soil

The right amount of water



Air



Room to grow

Different plants need different amounts of these things to keep them alive.

Sunflower



I need 6 hours of sunlight a day. It needs to be quite warm for me to grow.

I like sandy soil to grow in.

I really like to be watered every day BUT be careful not to give me too much as it can rot my roots!

I need to be at least 6 inches away from another sunflower – I need a bit of space.

Tomato plant

I need 6 hours of sunlight a day but I prefer to have 8 hours as it's best for my growth. I like it fairly hot to grow

I'm not fussy about my soil as I grow almost anywhere but I grow best in sandy soil.

I need to be watered 2-3 times a week. Remember if it rains this will count.

I like to grow 24-36 inches away from another plant. I like space, lots of it.

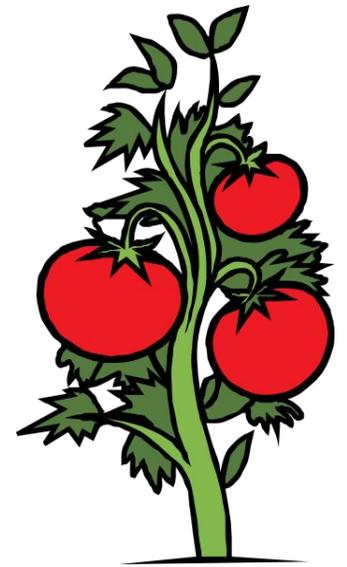
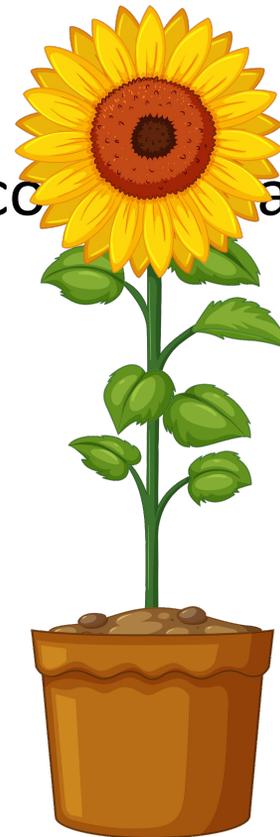


Green Challenge

Sort the requirements for each plant to match the picture

Write the different requirements next to the correct plant.
Requirements are on the next slide.

Colour in the requirements that apply to both plants.



6 hours of sunlight

Can have any soil but prefers sandy soil.

Warm temperatures

Grows better in hot temperatures

Sandy soil

6-8 hours of sunlight

Grows better 24-36 inches away from another plant

Needs to be watered 2-3 times a week.

Grows well least 6 inches from another plant.

Needs to be watered every day, but not too much

Yellow Challenge

Write down the requirements for each plant in this table.

Sunflower	Tomato plant
Sunlight:	Sunlight:
Temperature:	Temperature:
Room to grow:	Room to grow:
Soil:	Soil:
Water:	Water:

Write the similarities and differences between the two plants into the table.

Similarities	Differences
Sunflowers and tomato plants are similar because they both....	Sunflowers and tomato plants are different because...

Red Challenge: Create some instructions for someone who wants to know how to look after either a sunflower or a tomato plant.

Remember to include:

Introduction (including rhetorical questions)

Subheadings including:

Sunlight

Air

Temperature

Room to grow

Soil

Water

Pictures to show what you mean.

