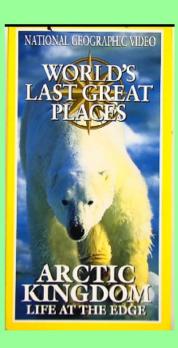
What were the limiting factors in the **Arctic ecosystem? Make a list.** 

For at least 3 limiting factors write;

- What is the limiting factor?
- What population does it limit?
- Our How does it limit that population?





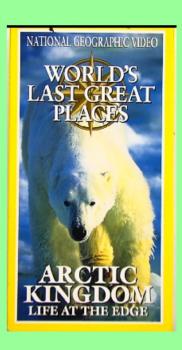
Learning I can explain how limiting factors affect populations in the arctic ecosystem

#7

What were the limiting factors in the **Arctic ecosystem? Make a list.** 

For 2 limiting factors write;

- What is the limiting factor?
- What population does it limit?
- Our How does it limit that population?





Learning I can explain how limiting factors affect populations in the arctic ecosystem

## 04/30

# **Limiting Factors**

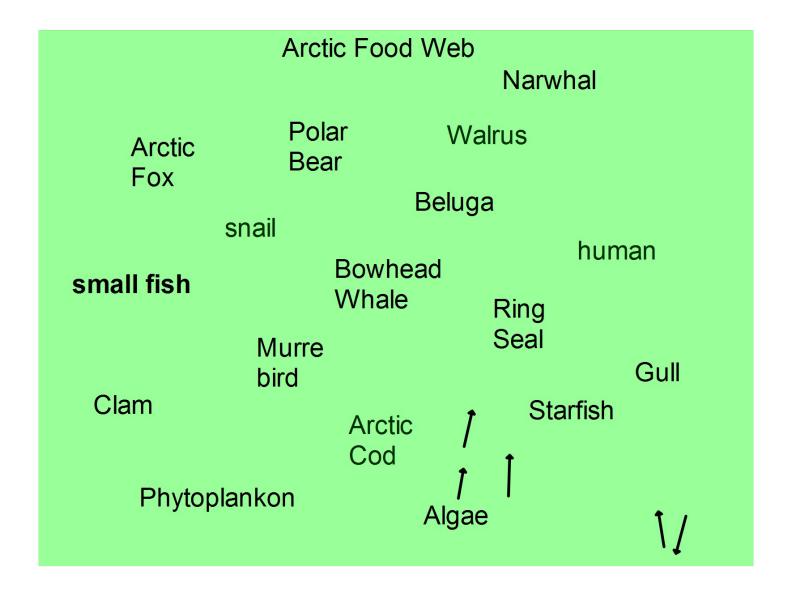
#7

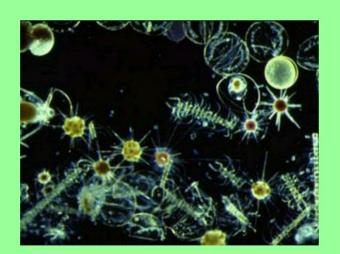
- Shifting ice
- Ice melting
- Temperature too warm leads to ice melting
- Amount of light
- Inuit
- Predators
- not enough prey.
- pollution



Learning

target: I can explain how limiting factors affect populations in the arctic ecosystem





## **PRODUCERS**

Algae Phytoplankton

# **Limiting Factors**

- 1. Predation
- 2. Wind- Loss of habitat
- 3. Sun melting the ice
- 4. Food Supply
- 5. humans
- 6. Climate change
- 7. Light



Learning

arget: I can explain how limiting factors affect populations in the arctic ecosystem

# 04/30 Limiting Factors #7 Water Chemistry

What are some abiotic limiting factors in our pond? We are going to take a look at the water chemistry as limiting factors.

For each temperature, pH, Dissolved oxygen and phosphates:

- 1. say what each factor is
- 2. Explain how it affects the ecosystem
- 3. What is the optimum (best) range of the factor?
- 4. How is it tested?



Learning I can explain how limiting factors affect populations in the arctic ecosystem

# 04/30 Limiting Factors #7 Water Chemistry

What are some abiotic limiting factors in our pond? We are going to take a look at the water chemistry as limiting factors.

<u>Factor</u>	How does it affect the ecosystem	Optimum range	Test?
temp	extreme temps cause Stress.	41-77°F 5-25°C.	Thermometer.
На	affects othersity,	pH5 -> pH9 acidic-> Neutrol-> basic	pH kit pH strip.
<u>DO</u>	aquatic animals need of to survive.	8-12-ppm	Tab + temp.
phosph	Vital for organisms  ates at cell level.	2 ppm	Tab.



**Learning**I can explain how limiting factors affect populations in the arctic **target**: ecosystem

# 04/30 Limiting Factors #7

**Water Chemistry** 

What are some abiotic limiting factors in our pond? We are going to take a look at the water chemistry as limiting factors.

How does it affect
Factor the ecosystem

pH

DO

Coptimum range
For most
organisms

Test?

Test tab +
Water temp.



**Learning**I can explain how limiting factors affect populations in the arctic **target**: ecosystem

# 04/30

# **Limiting Factors**

## #7

#### pH test

- 1. Test the pH for each of the liquides A-D. Write your results.
- 2. Put the liquids in order of acid to basic
- 3. Guess what wach of the liquides might be.



**Learning**I can explain how limiting factors affect populations in the arctic **target**: ecosystem

# SSR/ Study hall until 11:53