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| **Puffin:**  This bird can hold many fish in its beak while hunting | **Aurora:**  emission of light caused by collisions of charged particles from the Sun with the gases in Earth’s atmosphere | **Calving:**  the process by which ice blocks break away from the front end of a glacier | **Albedo:**  has a cooling effect. It depends mostly on colour of surface | **Permafrost:**  soil, rock, or organic material that remains at 0°C or below for at least two years |
| **MIMOSA**   A model that follows the movement and dynamics of the air masses in the stratosphere, studying its evolution | **Arctic fox**  In the summer, it has thinner brown, dark brown or yellow fur, and in winter, it is thick and white. | **Walrus**  It has lots of fat protecting from cold (blubber) | **Pingo**  It’s a hill with core of ice | **Yedoma**  Pleistocene-age permafrost rich in carbon |
| **Satellite**  any object, which orbits arounds a planet. | **Isohypse**  A line on a map connecting points of equal height, in meteorology connecting points of equal height of given pressure level | **Dorset culture**  ancient Paleo-Eskimo, prehistoric culture of Greenland and the Canadian eastern Arctic. | **Horizontality**  Geological principle, saying that any layer tends to be originally deposited horizontally | **Frost flowers**  ice crystals forming on new ice, on a calm ocean surface when very dry air is much colder than the water |
| **Wildlife forensic**  application of science to solve criminal investigation into illegal animals trade etc. | **Ice**  solid state of H2O | **Plankton bloom**  Abundance of algae | **Ablation**  Opposite of accumulation | **Philopatry**  When adult females try to find home range near their mother |
| **Brinicle**  Underwater icy ‘stalactite’ | **Arctic tree line**  Border between  taiga and tundra | **Polar vortex**  It is observed during Arctic winter, when air masses cannot mix | **Surge**  sudden acceleration of a glacier’s flow. | **Climate lag**  The ‘delay’ in climate change |