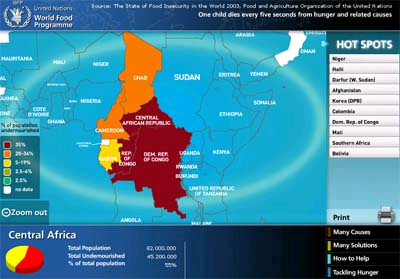
Name Oscar

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| Food Shortages |



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| Define Undernutrition. |
| Undernutrition is when there isn't enough food for everyone in the community and people get illnesses from not having a proper diet. |

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| Define Malnutrition |
| Malnutrition is when your body doesn't get enough nutrients to stay healthy. |



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| Use the World Food Programme Interactive Hunger Map, a link to which can be found here: http://www.geographyalltheway.com/igcse\_geography/economic\_development/agricultural\_systems/igcse\_food\_shortages.htm  to complete the following table. | |
| **Country** | **% of the Total Population Undernourished** |
| Mozambique | ????? |
| Afghanistan | ????? |
| Sierra Leone | ????? |
| Niger | ????? |
| Tunisia | ????? |
| Honduras | ????? |
| North Korea | ????? |
| China | ????? |
| Bolivia | ????? |
| Iraq | ????? |

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| For each of the following **physical** causes of food shortages – explain how they cause food shortage and the consequences of the food shortage.  Use the links on:  http://www.geographyalltheway.com/igcse\_geography/economic\_development/agricultural\_systems/igcse\_food\_shortages.htm  to help you complete the following table. | | |
| **Food Shortage** | **Causes** | **Consequences** |
| Soil Exhaustion | Overfarming of the land, and not repleneshing it, therefor the soil is removed from nutrients. | Houses sink into the ground, no arable soil to plant crops and no plants to feed livestock. |
| Drought | Global warming causes more water to evaporate and the waterholes and oasises that people have survived on for centuries have dried up. | Plants need water to grow, and animals need water to stay hydrated, if there isn't water, there is no chance of farming, not even on a subsistence level. |
| Flood | Lots of rain and no good irrigation systems can provoke a flood. If a river is on the brim of overflowing, the gravity of the moon could cause it to flood. | The water will drown the crops and animals, and also all of the soil will become muddy and that will also remove the natural fertility of it. |
| Tropical Cyclones | Hurricanes including strong winds and heavy rain, destroying subsistence farms. | By the end of the year, most people's food will have run out in Guatemala, causing a massive hunger crisis. |
| Pests | Locust females lay their eggs in the sand and within 3 weeks the juveniles have fully matured. | Locust swarms will eat their weight in food every day and they will shave a field in under 10 minutes. 60% of Mauritania's population need food aid from the massive devastation these pests cause. |
| Disease | The spores from the fungus are carried by the wind and they stick to the leaves of the rice plants. | As the spore greminates, it creates a pressure cell to infect the plant. With younger plants, the whole plant will die but with an older plant, only the grain is lost. In the Phillipines, around 50% of the rice crops have been lost. |

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| For each of the following **human** causes of food shortages – explain how they cause food shortage and the consequences of the food shortage.  Use the links on:  http://www.geographyalltheway.com/igcse\_geography/economic\_development/agricultural\_systems/igcse\_food\_shortages.htm  to help you complete the following table. | | |
| **Food Shortage** | **Causes** | **Consequences** |
| Poverty | Lack of education and/or work to have a steady income. | With no income, people living with poverty won't be able to buy food or medicine and will die from disease or famine. |
| Transport Difficulties | Poverty will mean that farmers can't buy vehicles or animals for transporting their goods. | With no transport, farmers can't sell their goods and will eventually suffer from famine. |
| War and Civil Conflict | Political leaders having issues | Loss of land to the army, housing soldiers, death in war. |
| Commercial Farming | People being too greedy about how much money they can earn, and not thinking about animal welfare. | Animals are tightly packed together, they don't have any movement so they become fat and they don't really build up an immune system so many die from disease. These factory farms give off a lot of waste, and the animals are so close that they excrete on each other. This causes bad quality meat and damage to the atmosphere from carbon dioxide. |