**A Five Step Plan to Feed the World – National Geographic** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Click on <http://www.nationalgeographic.com/foodfeatures/feeding-9-billion/>

1. According to the article, what is one of the biggest dangers on our planet?
2. List the ways that Agriculture can be damaging to the environment?
3. How many people will we have to feed by midcentury?
4. List the 5 proposed steps that could help solve the world’s food dilemma.

 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. When land is cleared for agriculture in the tropics, what is the land usually used for?
2. Look at the graph. What percentage of land is undeveloped? \_\_\_\_\_\_%

 What percentage of land is used for agriculture? \_\_\_\_\_\_\_\_\_%

 What percentage of land is used for urban areas (estimate)? \_\_\_\_\_\_\_\_\_\_%

 What personally surprises you about this information?

1. What are the 3 areas that we can increase efficiency?
2. How does commercial farming use resources more efficiently?
3. How does organic farming use resources more efficiently?
4. Check out the pictures.

 Refer to (a) picture(s) and relate a benefit to assist in feeding the world?

 Refer to (a) picture(s) and relate a challenge in feeding the world?

1. How much of the world’s crops directly feed people? \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 What are the rest of the crops used for?

1. For every 100 calories we feed animals, how many calories do we get from milk?\_\_\_\_\_ eggs?\_\_\_\_\_\_\_ chicken?\_\_\_\_\_ pork?\_\_\_\_\_ beef?\_\_\_\_\_
2. What changes are recommended in the “Shift Diets” section?
3. (See Graph) By 2050, the world’s population will likely increase by more than \_\_\_\_\_\_%.

 To feed the population of 2050, crop production will need to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

1. About how much of the total food weight is lost or wasted before it can be consumed? \_\_\_\_\_\_\_\_%
2. How can consumers in developing countries reduce waste?
3. According to the article, which of the 5 steps would be the most effective in providing more food for the Earth?
4. What can you do personally to help solve the world’s food dilemma?

 (List at least 3 things)