“Transgenic Animals – Their Benefit to Human Welfare”

Read the article and answer the following questions, link to article is https://goo.gl/G1Zs7V

1. Define a transgenic organism.

2. Describe the two most common reasons for creating transgenic organisms.

3. To ensure that every cell of the transgenic organism has the desired DNA, there are three methods for inserting genes into organisms.

Describe, so that you understand, each of these.

a.

b.

c.

4. Provide a SOLID, DETAILED example of how transgenic organisms are used in each of the following:

a. Agriculture

b. Medicine

d. Industry

5. Describe some concerns surrounding this science.

6. Research the following:

a.What is bT corn?

b. How has bT corn affected beneficial organisms?

c. How has bT corn affected non-GMO farmers?

d. Before insulin was produced by bacteria, how did diabetics obtain the insulin they need?

e. Name some of the most common GMO crops used to mass produce the food we eat.

f. Are there labeling laws for food containing GMOs?