Sum It Up »

Fill in the missing words to explain how technology improves our lives. Use the words in the box if you need help.

benefits	bioengineering	risks
effect	need	technology

Technology may be simple or complex, but all technology meets a 1. _____
2. _____ changes as the needs of people change. Technology may have both a positive and a negative 3. _____ on people. Positive effects are called 4. _____ . Negative effects are called 5. _____ . The application of the engineering design process to living things is 6. _____ .

Draw a line from the picture to the statement that best summarizes what the picture shows.

7. Bioengineering may develop technologies that protect the environment, improve nutrition, or replace body parts.

8. A benefit of packaged food is convenience. A risk is an increase in the amount of trash.

9. Even a simple fastener is technology because it meets a human need.

10. Communication technology has changed greatly over time.

Name _____

Vocabulary Review

1 **Use the words in the box below to help you unscramble the highlighted words in each statement. Then, write the unscrambled word on the line.**

One ==irsk== of using a computer is being exposed to unsafe Internet sites.

_____

A fish farm is an example of ==hetooblyincgo==.

_____

==otyleonchg== is anything that meets a need or solves a problem. _____

Engineers work with living organisms in the process of ==nnneeeiiiggbor==. _____

A ==nefetib== of a car is that it allows personal freedom. _____

benefit	bioengineering*	biotechnology*
risk	technology	

* Key Lesson Vocabulary

Apply Concepts

2 Describe how changes in transportation have affected communication over long distances. Give an example.

_____

_____

_____

3 **Name two benefits and two risks for each of these technologies.**

Plastic Grocery Bags

BENEFITS	RISKS
_____	_____
_____	_____
_____	_____
	_____

Internet

BENEFITS	RISKS
_____	_____
_____	_____
_____	_____

Light Bulb

BENEFITS	RISKS
_____	_____
_____	_____
_____	_____

Television

BENEFITS	RISKS
_____	_____
_____	_____
_____	_____

Take It Home!

With a family member, identify five examples of technology in your home. Explain to the family member what needs are met by each of the technologies. Try to identify the risks and benefits of each one.