

Name: _____

PAGE 8 Star Trek Tech

DIRECTIONS: Indicate whether the statements below are true or false by writing a T or F on the lines.

- ___ 1. It is currently impossible to transport a person as they do on *Star Trek*.
- ___ 2. The Biojector uses needles to inject medicine.
- ___ 3. All mass spectrometers take hours to analyze data.

PAGE 12 Sea Breeze

DIRECTIONS: The sentences below describe how a wind turbine generates power. Place the letters of the phrases in the order in which they occur from first to last.

- a. Shafts turn a generator to create electricity.
- b. Electricity runs through cables in the tower to a transformer.
- c. Energy created by the wind turbine is connected to the school's electrical system.
- d. Spinning blades rotate the shafts.
- e. Transformer converts the electric current to a usable form of energy.
- f. Turbine blades catch the wind.

(first) _____, _____, _____, _____, _____, _____ (last)

PAGE 16 Revved-Up Athletes

DIRECTIONS: Answer the following questions in complete sentences.

- 1. What are some activities that race-car drivers do to stay in shape and prepare for races?
- 2. When are the hormones adrenaline and cortisol released in a driver's body?
- 3. What do drivers do to protect their bodies from the high temperatures inside the cars?
- 4. Why do racers avoid doing too much aerobic exercise?

PAGE 18 Extreme Mammals

DIRECTIONS: Fill in the missing data to complete the chart below.

Prehistoric Mammal	Modern Mammal	Adaptation	Use of Adaptation
			Protection
Horned Beaver			
	Lion		
		Skin between limbs	

ANSWERS ON TE 12