

Section 10.2

Energy Transfer in the Atmosphere

Before You Read



1. Words to Know

Directions: Match the correct definition to the term on the left.
Scan pages 436 – 454 to find the definitions.

Words to Know	Definition
___ atmosphere	A. the layer absorbs much of the ultraviolet radiation from the Sun
___ Coriolis effect	B. winds that are typical for a certain region
___ hurricanes	C. local winds that are caused by the different rates at which land and water transfer thermal energy
___ kilopascals (kPa)	D. a violent, funnel-shaped column of rotating air that touches the ground
___ ozone layer	E. layers of gases that extend above a planet's surface
___ prevailing winds	F. a change in the direction of moving air, water, or objects due to Earth's rotation
___ sea breezes	G. occur when water vapour in rising warm air condenses, releasing thermal energy.
___ thunderstorm	H. a massive, spinning storm known as a tropical cyclone
___ tornado	I. used to measure the vertical force per unit area.

2. Predicting the Main Ideas of Section 10.2

Directions: Scan pages 436 – 454 looking at the pictures and titles within this section. Predict six things you think you will learn in this section.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

