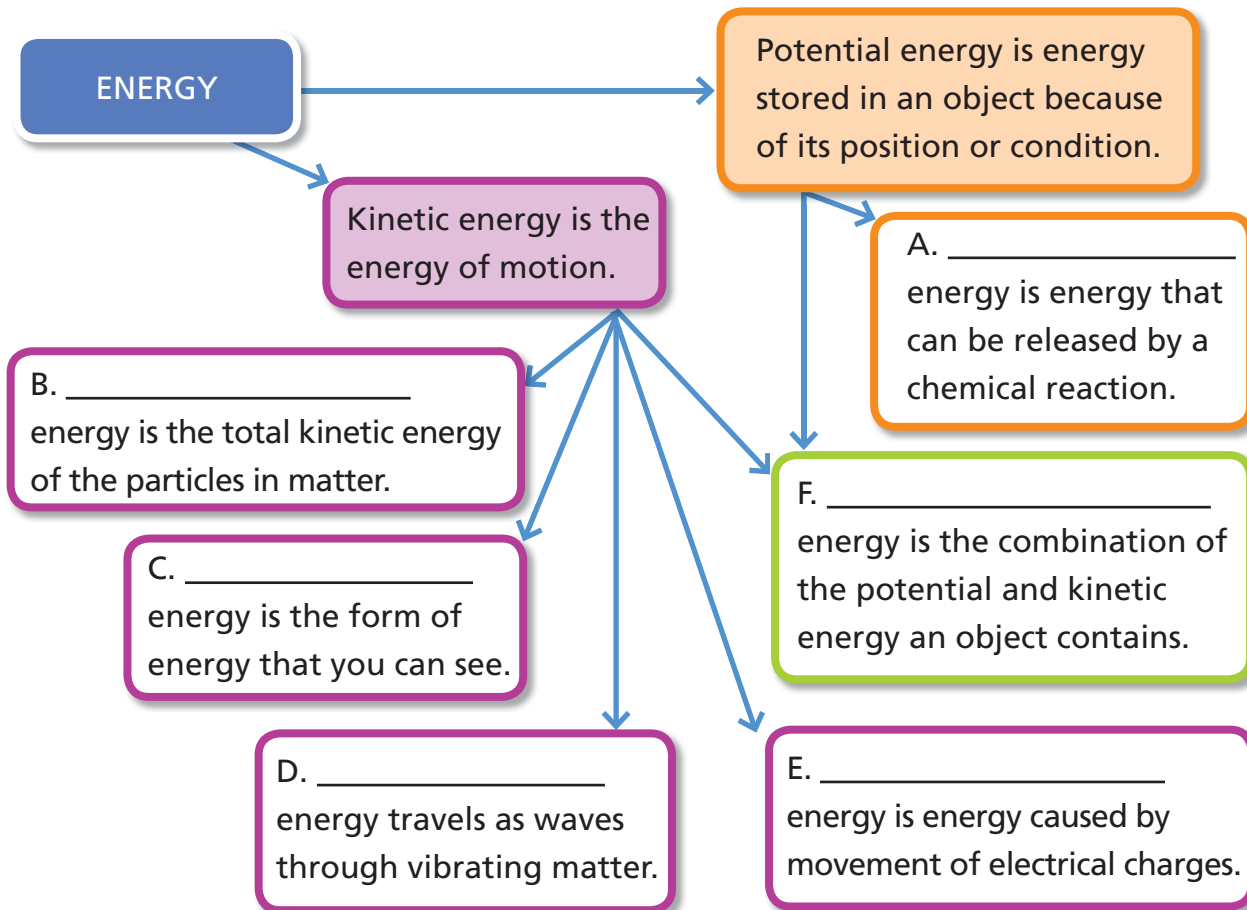


Sum It Up »

Part I: Circle the word that completes each sentence.

- A. Energy is the ability to cause motion or create (matter / change).
- B. There are two main categories of energy—potential and (thermal / kinetic).
- C. Energy can't be created or (destroyed / captured).
- D. Energy can change from one form to another, which is called energy (transformation / conservation).

Part II: Complete the graphic organizer below.





Name _____

Vocabulary Review

1

Use the clues to fill in the missing letters of the words.

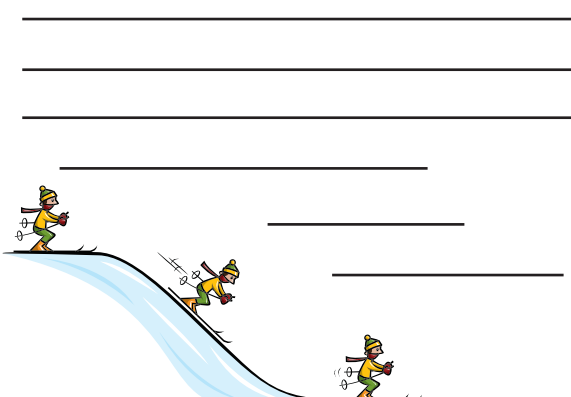
1. _o_____a_e_____y stored energy due to position or condition
2. ___o_ a substance that contains useful chemical energy
3. _l_____ energy caused by the movement of electric charges
4. ___n_t___ energy of motion
5. _____a___ to move back and forth
6. _h_____a_ energy of moving particles of matter
7. ___u___ form of energy you can hear
8. _____h_ form of energy you can see
9. ___c_____c___ total potential and kinetic energy of an object
10. _____a_ energy that can be released by a chemical reaction
11. _n___g_ ability to cause changes in matter
12. ___a_ what your body feels thermal energy as

Apply Concepts

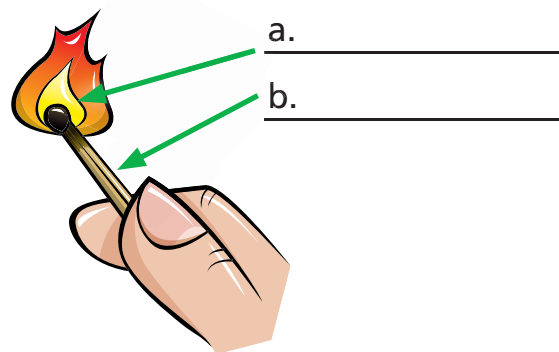
2 Complete the matching game. The first one is done for you.

Light Energy E 3	A. The total kinetic energy of the particles in matter	
Thermal Energy O O	B. Energy caused by motion of electric charges	
Sound Energy O O	C. Energy that is stored in matter and can be released during a chemical reaction	
Electrical Energy O O	D. Energy carried as waves of vibrating matter	
Mechanical Energy O O	E. Energy that travels as a wave and that you are able to see	
Chemical Energy O O	F. Sum of an object's potential and kinetic energy	

3 Use the terms *potential energy* and *kinetic energy* to tell what is happening to the skier.



4 Identify the types of energy present or produced in each lettered part of the picture.



Take It Home!

See *ScienceSaurus*® for more information about energy.