



Name: .....

Date: .....







Grade 6 CS all sections

Objectives:

- Comprehend different types of energy.

Question 1:

Each of these objects transfers energy into useful types of energy.

 <p>.....</p>	 <p>.....</p>	 <p>.....</p>
 <p>.....</p>	 <p>.....</p>	 <p>.....</p>

Write down the **useful** type of energy released below each object.

Choose the type of energy from

- electrical      kinetic      light      sound      thermal      ---



**Question 2:**

Write the correct type of energy described in each of the following situation, and tick whether it is considered potential or kinetic energy:

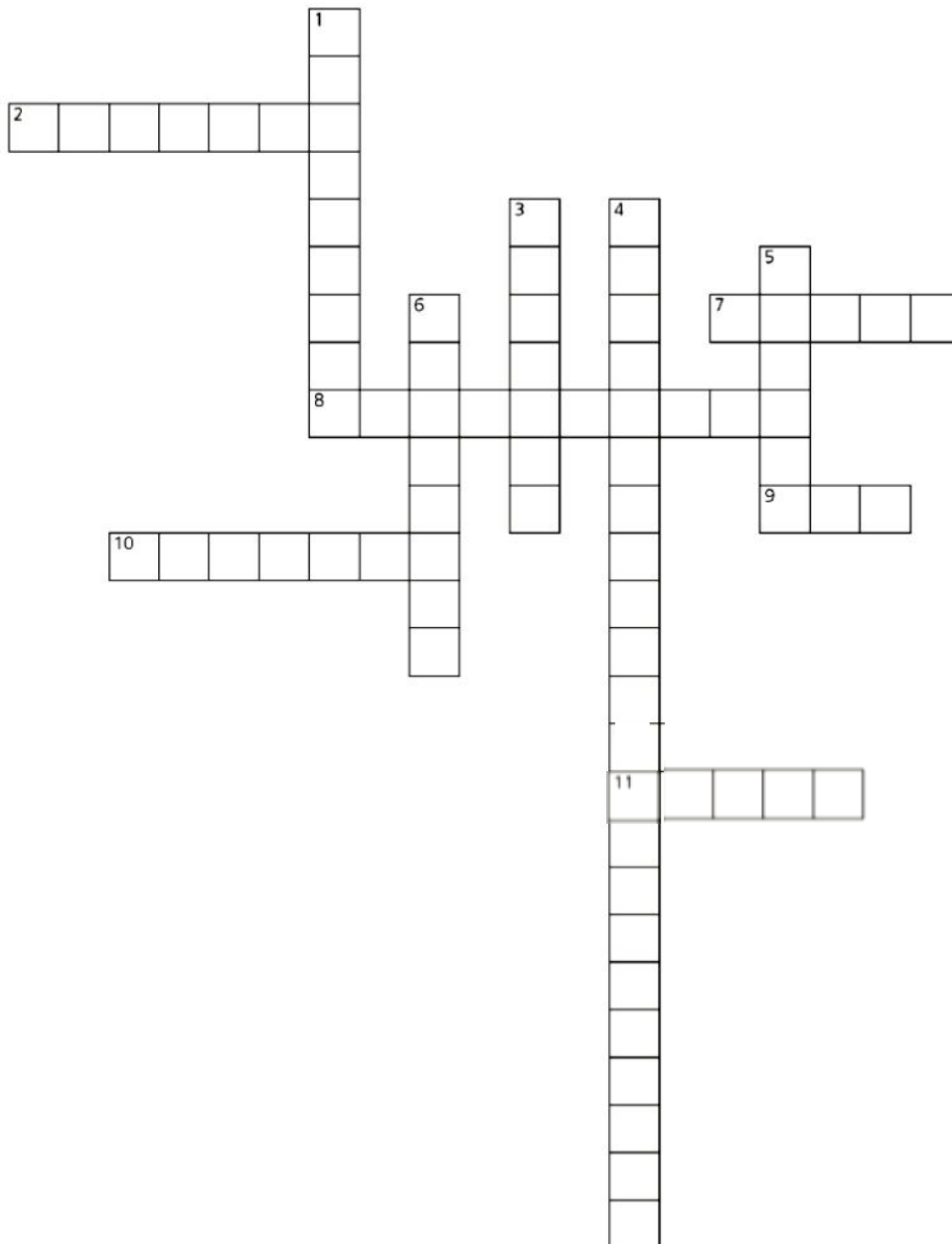
Situation	Form of energy	Potential Energy	Kinetic Energy
A car is moving.			
The engine gets hot.			
The headlights are on.			
The engine is making noise.			
The car battery stores energy.			
Wires inside the car pass this energy to the controls.			
The car is filled with fuel.			
The car seat is springy.			
If the car is left on a hill without the handbrake on, it will roll down because of this energy.			

**Question 3:** Fill in the table with an example of each type of energy:

Type of energy	Example
Movement (kinetic) energy	
Gravitational potential energy	
Elastic potential energy	
Thermal energy	
Light energy	
Sound energy	
Electrical energy	
Chemical potential energy	

**Question 4:** Complete the names of different types of energy and the sentences about them:

Type of energy	
1 L _____	L _____ energy comes from the _____ and some electrical items such as _____ bulbs.
2 T _____	Things that are _____ have a store of t _____ energy.
3 Ele _____	E _____ energy is often made at _____ stations and can be converted into many different types of _____.
4 C _____	C _____ energy can come from our _____ or fuels.
5 G _____ p _____	Things that are lifted up have g _____ p _____ energy.
6 K _____	K _____ energy is found in _____ objects, the faster they move the more _____ energy they have.
7 Ela _____ p _____	A stretched elastic band stores ela _____ p _____ energy.
8 S _____	S _____ energy is produced by _____ things and people.



**Across**

- 2 This energy keeps us warm.
- 7 When you speak you are using this energy.
- 8 This energy help us use lots of things in our house, we usually have to plug something in to use it.
- 9 The source of energy in food and fuels.
- 10 If you pull a rubber band it stores this energy.
- 11 The sun provides thermal energy and this energy.

**Down**

- 1 There are 1000 J in this.
- 3 When we move we have this energy.
- 4 When you are at the top of a diving board you have this energy.
- 5 We measure energy in this unit.
- 6 Food or petrol gives us this type of energy.