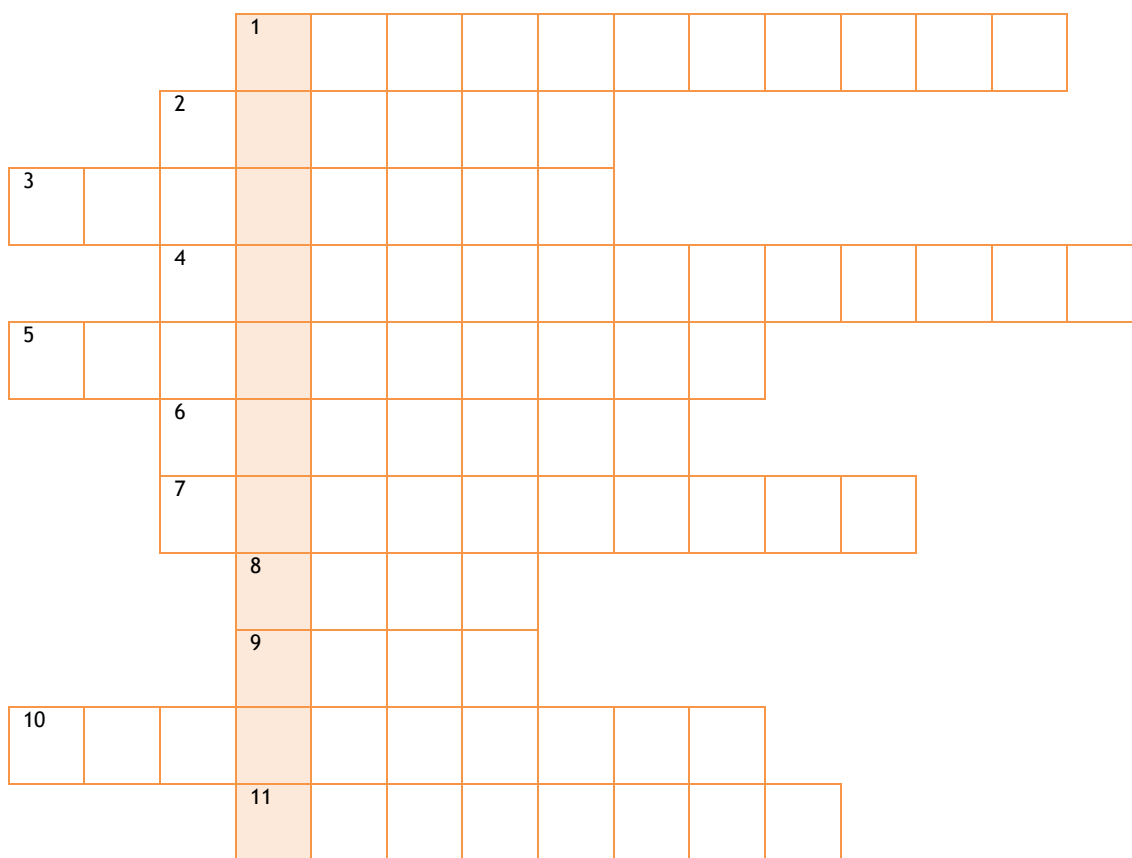


This crossword tests your knowledge about rate of chemical reaction.

Answer all the clues across to identify 1 DOWN which describes a chemical reaction where the temperature of the surroundings decreases.



Across

1. This describes a reversible reaction when the rate of the forward reaction is equal to the rate of the back reaction. **(11)**
2. In a chemical reaction this is released or gained as chemical bonds are made or broken. **(6)**
3. In chemical reactions reactants change to become these. **(8)**
4. If this is increased then the rate of reaction is also increased. **(13)**
5. This describes violent chemical reactions which give out lots of heat. **(10)**
6. A form of energy often released, or occasionally taken in, during chemical reactions. **(7)**
7. Dynamic equilibrium can only be established in this type of reaction. **(10)**
8. This is calculated by dividing the quantity of reactant used by the time taken. **(4)**
9. This always remains constant in any chemical reaction. **(4)**
10. energy is the energy barrier between reactants and products. **(10)**
11. A substance which speeds up a chemical reaction but is not used up during the reaction. **(8)**

Answers

			1 E	Q	U	I	L	I	B	R	I	U	M	
		2 E	N	E	R	G	Y							
3 P	R	O	D	U	C	T	S							
		4 C	O	N	C	E	N	T	R	A	T	I	O	N
5 E	X	O	T	H	E	R	M	I	C					
		6 T	H	E	R	M	A	L						
		7 R	E	V	E	R	S	I	B	L	E			
			8 R	A	T	E								
			9 M	A	S	S								
10 A	C	T	I	V	A	T	I	O	N					
			11 C	A	T	A	L	Y	S	T				