

## Physical and Chemical Changes

<sup>1</sup> C	O	N	C	<sup>2</sup> E	N	T	R	A	T	I	O	N							
O				N															
M				<sup>3</sup> D	I	S	P	L	A	C	E	M	E	N	T		<sup>4</sup> R		
B				O															E
U		<sup>5</sup> C	A	T	A	L	Y	S	T		<sup>6</sup> P		<sup>7</sup> M					A	
S		O		H						<sup>8</sup> D		R		E				G	
<sup>9</sup> T	E	M	P	E	R	A	T	U	R	E		O		L				E	
I		B		R						C		D		T				N	
O		I		M					<sup>10</sup> S	O	L	U	B	I	L	I	T	Y	
N		N		I						M		C		N					
		A		C						P		T		G					
		T								O									
<sup>11</sup> B	O	I	L	I	N	G				S									
		O							<sup>12</sup> O	I									
		N						<sup>13</sup> E	X	O	T	H	E	R	M	I	C		
									Y	I									
									G	O									
									E	N									
									N										

### Across

1. Factor that affects chemical reaction rate.[13]
3. Type of reaction which involves a swapping of ions.[12]
5. Chemical that speeds up a reaction but is unaffected by overall reaction.[8]
9. Change in \_\_\_\_ affects chemical reaction rate.[11]
10. Ability to dissolve.[10]
11. Water has a \_\_\_\_ point of 100 degrees Celsius.[7]
13. Overall reaction that gives out heat.[10]

### Down

1. Chemical change involving burning.[10]
2. Overall reaction which requires heat.[11]
4. Chemical that reacts.[7]
5. Type of reaction where two reagents join to form one product.[11]
6. Chemical formed by reaction.[7]
7. A physical property of a substance is its \_\_\_\_ point.[7]
8. Type of reaction where one reagent becomes two or more products.[13]
12. Gas required for combustion.[6]