

Included Items**Lesson**

3, 4	Citric acid	1	btl	
3, 4	Disposable plastic pipette	128		
3, 4, 5, 7, 8	Universal pH strips	250		
3, 4, 7, 8	Disposable gloves	200		
3, 5	Bromothymol blue indicator	2	100 mL	
4	Potassium hydroxide, KOH	1	btl of 30 g	
4	3M Hydrochloric acid, HCl	2	60 mL	
4	3M Sulfuric acid, H ₂ SO ₄	1	100 mL	
4	3M Acetic acid, HC ₂ H ₃ O ₂	1	100 mL	
4	3M Ammonium hydroxide, NH ₄ OH	1	100 mL	
4, 7, 8, 11	Weighing paper	1	pkg of 500	
4, 8	Sodium hydroxide, NaOH	3	btl of 20 g	
5	Clear plastic cup, 20 oz	8		
5	Paper cup, 3 oz	8		
6	5x8 sticky notes	1	pkg	
7	1M Hydrochloric acid, HCl	2	btls of 30 mL	
7	Sodium oxalate, Na ₂ C ₂ O ₄	1	btl of 25 g	
7, 8	Oxalic acid, H ₂ C ₂ O ₄	3	btl of 9 g	
10	Coquina	10	pieces	substitute for marble chips
11	Calcium chloride, CaCl ₂	2	25 g	
11	Filter paper	1	pkg of 100	
11	Sodium carbonate, Na ₂ CO ₃	1	50 g	

Teacher notes: weigh a small piece of coquina in place of the marble chips and drop it into the vinegar. A small chip of a piece of coquina can be removed to allow it to fit into the test tube.