

Quiz 4.2 – Precipitation Reactions

Name: _____

Question 1Classify each ionic compound as *soluble* or *insoluble* Na_2SO_4 _____ AgBr _____ $\text{Fe}_3(\text{PO}_4)_2$ _____ $\text{Ca}(\text{CH}_3\text{CO}_2)_2$ _____**Question 2**Circle which one of the following is a *strong* electrolyte $\text{NH}_3(\text{aq})$ $\text{H}_2\text{C}_2\text{O}_4(\text{aq})$ $\text{C}_6\text{H}_{12}\text{O}_6(\text{aq})$ $\text{HNO}_3(\text{aq})$ $\text{HCH}_3\text{CO}_2(\text{aq})$ **Question 3**Give the *net ionic* equation for each reaction:

- Reaction of nickel(II) nitrate with potassium carbonate

- Reaction of barium sulfide with magnesium sulfate

The New Colossus

By Emma Lazarus

Not like the brazen giant of Greek fame,
With conquering limbs astride from land to land;
Here at our sea-washed, sunset gates shall stand
A mighty woman with a torch, whose flame
Is the imprisoned lightning, and her name
Mother of Exiles. From her beacon-hand
Glows world-wide welcome; her mild eyes command
The air-bridged harbor that twin cities frame.
“Keep, ancient lands, your storied pomp!” cries she
With silent lips. “Give me your tired, your poor,
Your huddled masses yearning to breathe free,
The wretched refuse of your teeming shore.
Send these, the homeless, tempest-tost to me,
I lift my lamp beside the golden door!”