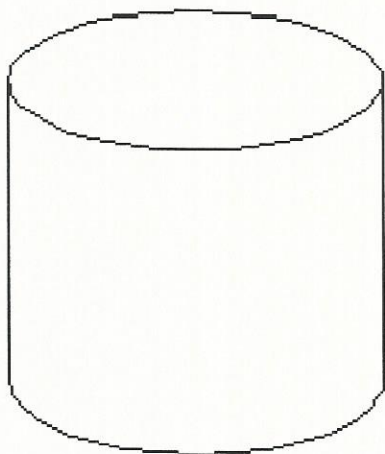


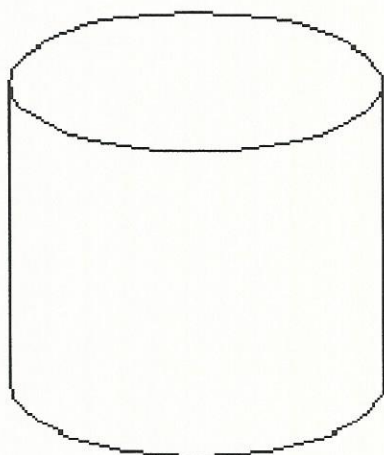
Ionic and Molecular Dissolution

1. A solution of nitric acid conducts electricity. In the beaker below, illustrate what happens when nitric acid (HNO_3) dissolves in water. Explain.



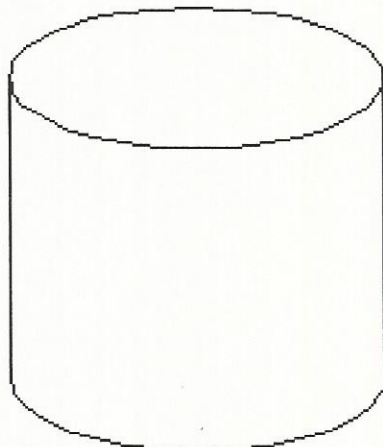
What is the name of this type of dissolution? _____

2. A solution of methanol does not conduct electricity. In the beaker below, illustrate what happens when methanol (CH_3OH) dissolves in water. Explain.



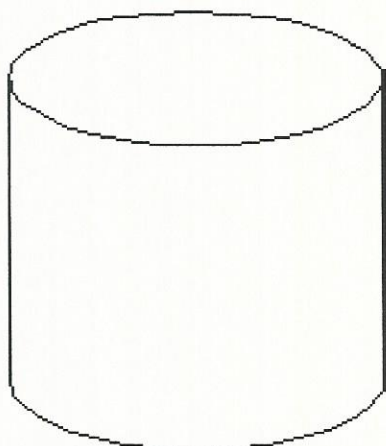
What is the name of this type of dissolution? _____

3. A solution of hydrobromic acid conducts electricity. In the beaker below, illustrate what happens when hydrobromic acid (HBr) dissolves in water. Explain.



What is the name of this type of dissolution? _____

4. A solution of sugar does not conduct electricity. In the beaker below, illustrate what happens when glucose ($C_6H_{12}O_6$) dissolves in water. Explain.



What is the name of this type of dissolution? _____