

All of the following are in aqueous solution. Name and classify (by circling your answer) using the Arrhenius theory.

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|----------------------------|-------|------|------|------|
| 1. NH_4OH | _____ | acid | base | salt |
| 2. KOH | _____ | acid | base | salt |
| 3. HI | _____ | acid | base | salt |
| 4. NaCl | _____ | acid | base | salt |
| 5. H_3PO_4 | _____ | acid | base | salt |

Fill in the blanks.

6. A(n) _____ definition lists the properties by which substances are classified.
7. According to the classic definition acids, bases, and salts are _____ because their water solutions conduct electricity.
8. Acids have a _____ taste while bases have a _____ taste.