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Transparency Worksheet

| | Name | Name | |
|--|---------------------------------|------------------------|--|
| Acids and Bases | Class | Date | |
| . In the reactions of HCl with water and NH ₃ with wa | ater, which reactant acts as a | n acid? Which reactant | |
| acts as a base? Explain your answers. | | | |
| . (a) On the submicroscopic level, explain how the hy | | | |
| (b) On the submicroscopic level, explain how the hy | vdroxide ion is formed | | |
| . Compare the Brønsted definition of an acid and base | e with the Arrhenius definition | on. | |
| . Give an example of a Brønsted acid and a Brønsted | base. | | |
| . How does the hydrogen atom in HCl differ from a h | | | |
| Critical Thinking | | | |
| . Write a chemical equation for the reactions of the fo | | er, identifying | |
| (a) H ₂ SO ₄ | | | |
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