

Download File PDF Ph And Acid Rain Worksheet Answers

#Jenny



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Acids and Bases



- Objectives**
- 1) What are the physical and chemical properties of acids and bases?
 - 2) What criteria would you use to identify a substance as an acid, base or salt?
 - 3) What are the properties of the Arrhenius, Brønsted-Lowry and Lewis models of an acid or base?
 - 4) What makes an acid or base weak or strong?
 - 5) What does pH and pOH mean?
 - 6) How are pH and pOH determined mathematically?
 - 7) How is pH and pOH related to the ion product of water?
 - 8) How do you write equations for a neutralization reaction?
 - 9) How does the strength of an acid or base compare with the strength of its conjugate base or conjugate acid?
- Assignments**
- | Assignment | Due | Grade |
|---|-------|-------|
| 1) Workbook p. 11.4 & 11.5 (28 pts) | _____ | _____ |
| 2) p.640 #3-4, p. 648, #19; p. 643, #9 (conjugate pairs) (14 pts) | _____ | _____ |
| 3) p. 643, #10, p. 674, #10 (Lewis acids & bases) (8 pts) | _____ | _____ |
| 4) p.672, #65-69, (conjugate) (16 pts) | _____ | _____ |
| 5) Workbook Chapter 14 (20 pts) | _____ | _____ |
| 6) p. 641, #11-13, p. 646, #15-18 (properties & strength) (20 pts) | _____ | _____ |
| 7) p. 653, 24-26, p. 654, #27-29; p. 655, 30-31 (pH & pOH) (16 pts) | _____ | _____ |
| 8) p.657, #32-34 (pH) (12 pts) | _____ | _____ |
| 9) Neutralization worksheet (20 pts) | _____ | _____ |
| 10) p. 656, #44-46; p. 673, #90 (titration) (16 pts) | _____ | _____ |
| 11) p. 665, #47-49; p. 673, #91 (titration) (14 pts) | _____ | _____ |
| 12) Quiz - characteristics of acids, bases & salts | _____ | _____ |
| 13) Quiz - Arrhenius, Brønsted-Lowry, Lewis acids, bases, & salts | _____ | _____ |
| 14) Quiz - Nomenclature | _____ | _____ |
| 15) Quiz - pH & pOH | _____ | _____ |
| 16) Quiz - Titration | _____ | _____ |
- Note Taking Guide: Episode 1301**
- Arrhenius Definitions:** When reacting with _____
- release _____ ions (ex: _____)
 - _____ ions (ex: _____)
 - _____ compounds that release neither _____ ions nor _____ ions

Solution	Acid (A), Base (B), or Salt (S)	Reacts with Mg (R) or NR	Conductivity (C or NC)
HNO ₃	A		
HCl	B		
NaCl	S		
H ₂ SO ₄			
HCl			
NaOH			
HNO ₂			
HCl			
H ₂ SO ₄			

OPERATIONAL DEFINITIONS:

ACIDS:

- _____ ions
- react with some _____ to produce _____ gas
- turn _____
- react with _____ to produce _____ and water
- Turn litmus _____.

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