

# CHEMISTRY HOMEWORK SHEET

NAME \_\_\_\_\_

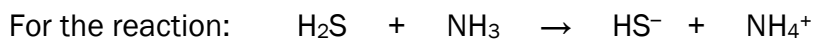
26 <b>Fe</b> 55.845	56 26 Fe <small>26 protons 26 electrons 30 neutrons</small>
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Complete the following table:

$[H_3O^+]$	$[OH^-]$	pH	pOH
	$1.00 \times 10^{-5}$		
	$2.66 \times 10^{-11}$		
		7.6	
			12.24

Identify the conjugate pairs below:



Acid

Base

Conjugate pair

\_\_\_\_\_

\_\_\_\_\_

Conjugate pair

\_\_\_\_\_

\_\_\_\_\_



Acid

Base

Conjugate pair

\_\_\_\_\_

\_\_\_\_\_

Conjugate pair

\_\_\_\_\_

\_\_\_\_\_

A titration of 15.0 mL of  $NH_3$  (ammonia) required 38.6 mL of 0.780 M HCl to neutralize the solution.

What is the molarity of the ammonia?

How many grams of ammonia are there per liter of water?