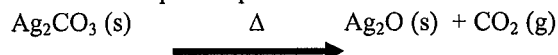


Name _____
Ch. 8 chem rxn predictions practice.

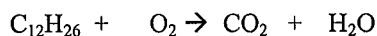
A. Gaseous ammonia and oxygen react in the presence of platinum to produce nitrogen monoxide gas and water vapor

B. Write a skeletal equation for the reaction: Aluminum can be obtained from aluminum oxide with the addition of a large amount of electrical energy

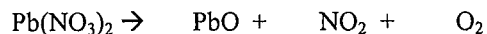
C. Write a descriptive equation for the reaction:



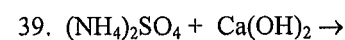
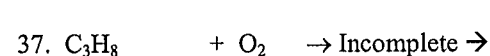
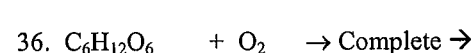
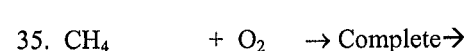
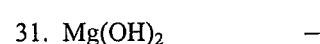
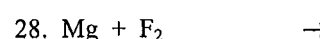
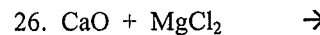
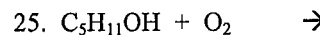
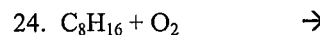
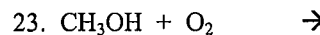
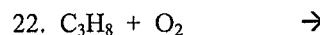
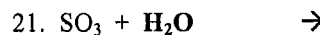
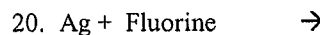
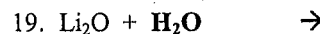
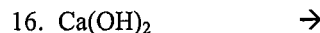
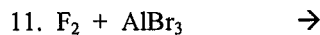
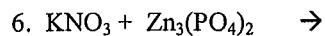
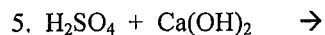
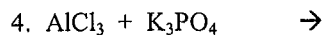
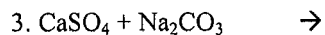
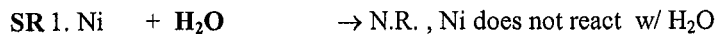
D. Balance the equation:

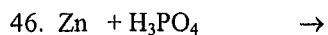
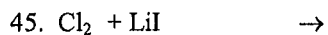
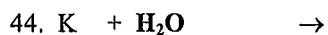
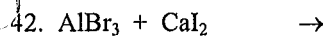
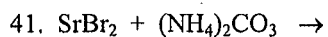
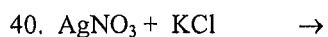


D. Balance the equation:



For the reactions below: identify the type & predict the products. Write your answers to the right of the yield sign. If no reaction occurs, write N.R. and write a brief explanation. If the reaction is a double replacement reaction, write the symbols for the products state of matter, (g), (s), (l), etc...





For the reactions below write skeletal equations. If no reaction occurs, write N.R. and write a brief explanation. If the reaction is a double replacement reaction, write the symbols for the products state of matter, (g), (s), (l), etc...

47. Mercury + Oxygen

48. Dinitrogen pentoxide + water

49. Sodium chlorate heated

50. Aluminum + hydrochloric acid

51. Zinc carbonate heated

52. Silver + barium

53. Sodium + nitric acid

54. Sulfur dioxide + water

55. Calcium oxide + water

56. Lead + potassium chlorate

57. Aluminum + oxygen

58. Calcium + phosphoric acid

59. Barium oxide + water

60. Calcium carbonate with heat

61. Potassium chloride + iodine

62. calcium chloride + sodium carbonate

63. silver nitrate + copper

64. acetic acid + sodium hydroxide.

65. dinitrogen trioxide + water

66. aluminum + oxygen

67. barium + aluminum

68. potassium iodide + chlorine

69. butane (C_4H_{10}) + oxygen gives incomplete combustion

70. strontium bromide + ammonium carbonate

71. methanol (CH_3OH) + oxygen gives complete combustion

72. magnesium + sulfuric acid

73. zinc + lead nitrate

74. hydrochloric acid + iron(III) oxide.

75. Potassium sulfide + Iron (II) Nitrate

76. Lithium hydroxide + phosphoric acid

77. Iron + sodium bromide

78. Potassium + sodium nitrate

79. Bromine + lithium chloride