

QUESTION 1: Identification of the substances and all the conjugate acid/base

1.1. Substances identification

Substance 1: CH3COOH

1.1.1 Write down the molecular formula of the substance in standard notation without spaces!

1.1.2 Write down the molecular formula

1.1.3 Write down the molecular formula of the conjugate base

1.2. Species in the solution of the acidic substance

Substance 2: CH3COO-

1.2.1 Write down the formula

1.2.2 Write down the formula of the conjugate acid

1.2.3 Write down the formula

1.2.4 Write down the formula

1.2.5 Write down the formula

1.2.6 Write down the formula

1.2.7 Write down the formula of the conjugate acid

1.2.8 Write down the formula of the conjugate base

1.3. Substances identification number

1.3.1 Write down the number

1.3.2 Write down the number

QUESTION 2: Substances identification

1.1. Identification of the substances in water

1.1.1 Write down the molecular formula of the substance in standard notation without spaces!

1.1.2 Write down the molecular formula of the conjugate acid

1.1.3 Write down the molecular formula of the conjugate base

1.2. Substances

1.2.1 Write down the molecular formula of the substance in standard notation without spaces!

1.2.2 Write down the formula

1.2.3 Write down the formula

1.2.4 Write down the formula

1.2.5 Write down the formula

1.2.6 Write down the molecular formula of the conjugate acid

1.2.7 Write down the formula

1.2.8 Write down the formula

QUESTION 3: Substances identification in equilibrium

1.1. Substances

1.1.1 Write down the molecular formula of the substance in standard notation without spaces!

1.1.2 Write down the molecular formula

1.1.3 Write down the formula

1.1.4 Write down the molecular formula of the conjugate acid

1.1.5 Write down the molecular formula of the conjugate base

1.1.6 Write down the formula

QUESTION 4: Substances