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|  | **Diffusion of Gases - 1**  **Work in a well-ventilated lab.**   1. Put this sheet in a poly pocket. 2. Place the petri dish on top of the sheet, covering the circle. 3. To each of the white circles add 1 drop of diluted universal indicator – with tap water so it remains green.   Then   1. Place a blister pack on the grey circle and then add:   **either**   * 1. 10 drops of 2 mol l-1 ammonia **and then**   2. 1 or 2 grains of anhydrous calcium chloride..   Or   1. A small spatula (0.25g) of sodium sulphite (Na2SO3) **then** 2. 5-10 drops of 2 mol l-1 HCl. 3. Replace the lid immediately and watch what happens. |

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|  | **Diffusion of Gases - 2**  **Work in a well-ventilated lab.**   1. Put this sheet in a poly pocket. 2. Place the petri dish on top of the sheet, covering the circle. 3. To each of the white circles add 1 drop of diluted universal indicator – with tap water so it remains green.   Then   1. In the grey circle A add:    1. 10 drops of 2 mol l-1 ammonia **and then**    2. 1 or 2 grains of anhydrous calcium chloride. 2. To the grey circle, B, place a blister pack and add 3. A small spatula (0.25g) of sodium sulphite (Na2SO3) **then** 4. 5-10 drops of 2 mol l-1 HCl. 5. Replace the lid immediately and watch what happens. |

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|  | **Diffusion of Gases - 3**  **Work in a well-ventilated lab.**   1. Put this sheet in a poly pocket. 2. Place the petri dish on top of the sheet, covering the circle. 3. To each of the white circles add  * 1 drop of 0.1 mol l-1 potassium iodide **and** * 1 drop of 1% starch   Then   1. In the grey circle A add:    1. 2 drops of 50% domestic thin bleach **and then**    2. 2 drops of 1 mol l-1 hydrochloric acid. 2. Replace the lid immediately and watch what happens. |

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