

"CHECK YOUR NOTES" : VISITING THE CHEMICAL INDUSTRY

Use this list as the basis of a summary of the unit by collecting together the related points and arranging them in groups. Check that your notes cover the points and are organised in appropriate ways. Most of the points are covered in the **Chemical Ideas**, with supporting information in the **Storyline** or **Activities**. However, if the *main* source of information is the Storyline or an Activity, this is indicated.

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|----------|---|--------------------------|
| 1 | The stages in the manufacture of a new product: research, pilot study, scaling-up, production and review. | <input type="checkbox"/> |
| 2 | The characteristics of effective and successful chemical processes in terms of: | |
| | - raw materials and feedstock | <input type="checkbox"/> |
| | - batch or continuous process | <input type="checkbox"/> |
| | - rate, including use of catalysts | <input type="checkbox"/> |
| | - product yield | <input type="checkbox"/> |
| | - nature of co-products and by-products | <input type="checkbox"/> |
| | - waste disposal and effluent control | <input type="checkbox"/> |
| | - location | <input type="checkbox"/> |
| | - safety and cost | <input type="checkbox"/> |
| | (these points are covered in Activity VCI 7). | <input type="checkbox"/> |
| 3 | The influence of the chemical properties of reactants and products on the selection of suitable materials for the construction of a chemical plant. | <input type="checkbox"/> |
| 4 | The control of pollution from chemical plants and its economic implications. | <input type="checkbox"/> |