

Separate Science - Chemistry - Key Stage 4

C10 Using Resources

Making ammonia - the Haber process

Miss Offer



Independent task - Recall questions

Answer the following questions:

1. Why is nitrogen needed by plants?
2. How do plants absorb nitrate ions from the soil?
3. Why do crops need nitrogen-based fertilisers?
4. What percentage of the atmosphere is nitrogen?
5. What is meant by 'fixing' nitrogen?



Independent task - Recall questions

Answer the following questions:

1. Where does the hydrogen come from in the Haber process?
2. Write the word equation for the production of ammonia in the Haber process.
3. State the conditions used in the Haber process, including the catalyst used.
4. What happens to the unreacted nitrogen and hydrogen in the Haber process?
5. How is the ammonia separated from the reaction mixture?

