**SLH PLD Agriculture and horticulture – Treasure hunt**

**Questions**

[www.sciencelearn.org.nz](http://www.sciencelearn.org.nz)

1. What percentage of the world’s population is fed by food grown using nitrogen in fertilisers or nitrogen-fixing plants?
2. Why are fertilisers described as a farmer’s tool?
3. What is mineralisation?
4. What is the main way nitrogen leaves a farm?
5. What native plant can also carry out nitrogen fixation?
6. What is N2 gas converted to in clover plants?

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**Answers**

1. What percentage of the world’s population is fed by food grown using nitrogen in fertilisers or nitrogen-fixing plants?

*40%*

1. Why are fertilisers described as a farmer’s tool?

*Can be used to boost production when needed*

1. What is mineralisation?

*Decomposition of litter into forms that plants can take up*

1. What is the main way nitrogen leaves a farm?

*Through leaching where water moves through the soil profile into ground water*

1. What native plant can also carry out nitrogen fixation?

*Kōwhai*

1. What is N2 gas converted to in clover plants?

*N2 gas to NH4+*