Extracting DNA

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|  | Mash up strawberry in a plastic bag to release DNA from the nucleus. |
| 30mL | Add DNA extraction fluid to the bag and mix with the strawberry. |
|  | Filter the mixture to remove solid parts of the strawberry. |
|  | Using a pipette add some cold alcohol to the DNA mixture. |
|  | Wait for the DNA to form in the alcohol layer above the liquid strawberry. |



DNA facts!

1. **Clones** are organisms that contain exactly the same DNA.
2. A section of DNA that determines a genetic trait (hair colour, eye colour) etc is called a **gene**.
3. DNA is found in the **nucleus** of a cell.
4. DNA is tightly wound into structures called **chromosomes**.
5. DNA forms a structure called a **double helix**.
6. The structure of DNA was first discovered in 1953 by Francis **Crick** and James **Watson**.
7. A DNA **fingerprint** can be used to identify criminals.
8. The first animal to be successfully cloned was a sheep named **Dolly**.
9. 98.4% of Human DNA is identical to the DNA of a **Chimpanzee**.

