

Blood glucose and diabetes How does insulin lower blood glucose?	Blood glucose and diabetes Which organ detects high blood glucose and releases insulin?
Blood glucose and diabetes Higher tier How does glucagon raise blood glucose?	Blood glucose and diabetes Higher tier When is glucagon released?
Blood glucose and diabetes What causes type 1 diabetes?	Blood glucose and diabetes How is type 1 diabetes controlled?
Blood glucose and diabetes What causes type 2 diabetes?	Blood glucose and diabetes How is type 2 diabetes controlled?

The pancreas.

It makes cells take up glucose, and the liver converts glucose into glycogen for storage.

When blood glucose concentration is too low.

It acts on the liver, which changes glycogen into glucose and releases it into the blood.

Insulin injections, monitoring blood glucose, and controlling the carbohydrate in the diet.

The pancreas does not produce enough insulin.

Diet, regular exercise and losing weight.
Some people also need medication.

Body cells no longer respond to insulin.

Blood glucose and diabetes

How can you test simulated urine for sugar?

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Write the BMI equation.

Blood glucose and diabetes

How do you calculate waist:hip ratio?

Blood glucose and diabetes

Does a correlation between BMI and type 2 diabetes prove cause?

$$\text{BMI} = \text{mass (kg)} \div \text{height (m)}^2$$

Add Benedict's solution and heat in a hot water bath. Blue turns green, yellow, orange or brick red if sugar is present.

No. Other factors may be involved, and BMI does not show fat compared with muscle.

Waist circumference $\div$ hip circumference.