



Human Evolution (DM2)

Characteristic	Gene option A	Gene option B
Height	Tall	Short
Body Width	Wide	Narrow
Leg length	Long	Short
Digestive tract	Long	Short
Bones	Thick and strong	Sleeker and weaker



Scenario 1 - 6 million years ago

Humans had a plant-based diet and a very active lifestyle.

Plants take a longer time to digest than meat does. Long digestive tracts helped process this food.

Sit down if you have a short digestive tract.

A wide rib cage made room for the stomach, intestines and other organs that break down food.

Sit down if you have a narrow body.

Thicker and stronger bones enabled a more active lifestyle.

Sit down if you have sleeker and weaker bones.

Scenario 2 - 1.9 million years ago

There was a hot climate and humans started eating meat.

Narrow bodies helped them stay cool.

Sit down if you have a wide body.

Long legs enabled them to travel longer distances and helped dissipate heat.

Sit down if you have a short legs.

Eating meat and other foods that could be digested quickly led to a smaller digestive tract.

Sit down if you have a long digestive tract.



Scenario 3 - 400,000 years ago

There was a colder climate.

Short, wide bodies conserved heat.

Sit down if you have a narrow body.

Sit down if you are tall.

Early humans continued to depend on both raw meat and cooked food, both of which could be efficiently processed in a short digestive tract.

Sit down if you have a long digestive tract.

Scenario 4 - 50,000 years ago - Modern humans

Humans have less physically demanding lifestyles and a diet that includes meat and cooked foods.

Bones are sleeker and weaker.

Sit down if you have thick and strong bones.

Meat and cooked foods can be processed efficiently with a shorter digestive tract.

Sit down if you have a long digestive tract.