

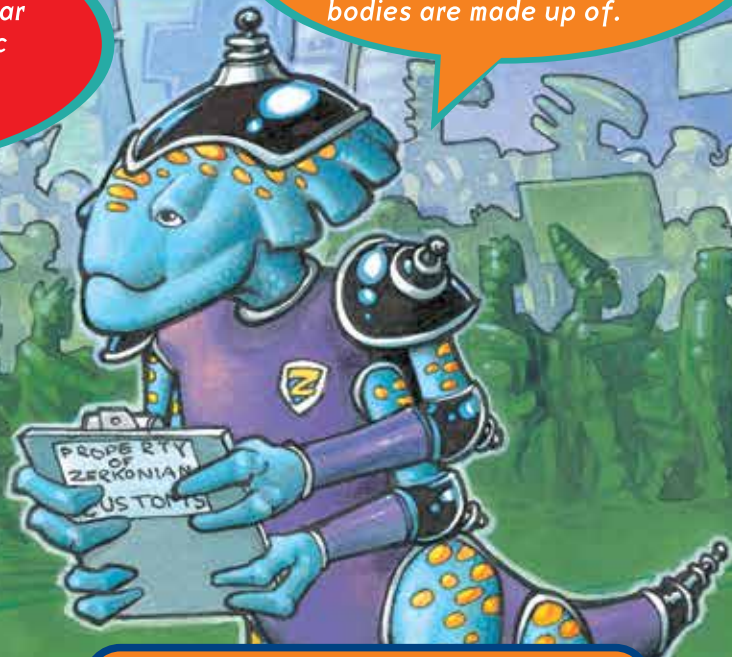
# Body Analyser



You need  3 classmates

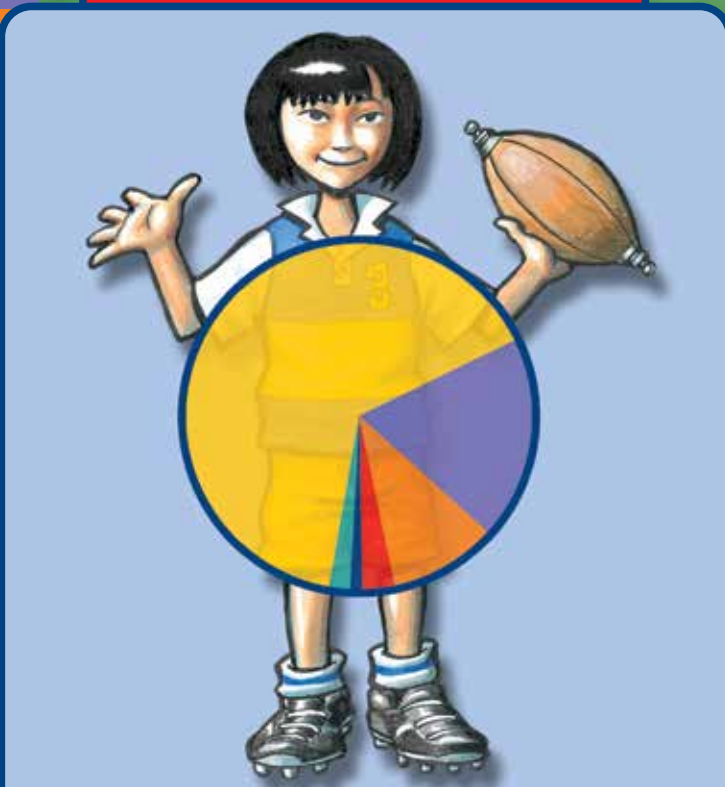
The Space Waka has arrived on Planet Zerkon in the year 2574 for the intergalactic rugby championship. Let's have some fun!

Before I can let you enter Zerkon, please stand in front of our body analyser. It will show me what elements your bodies are made up of.

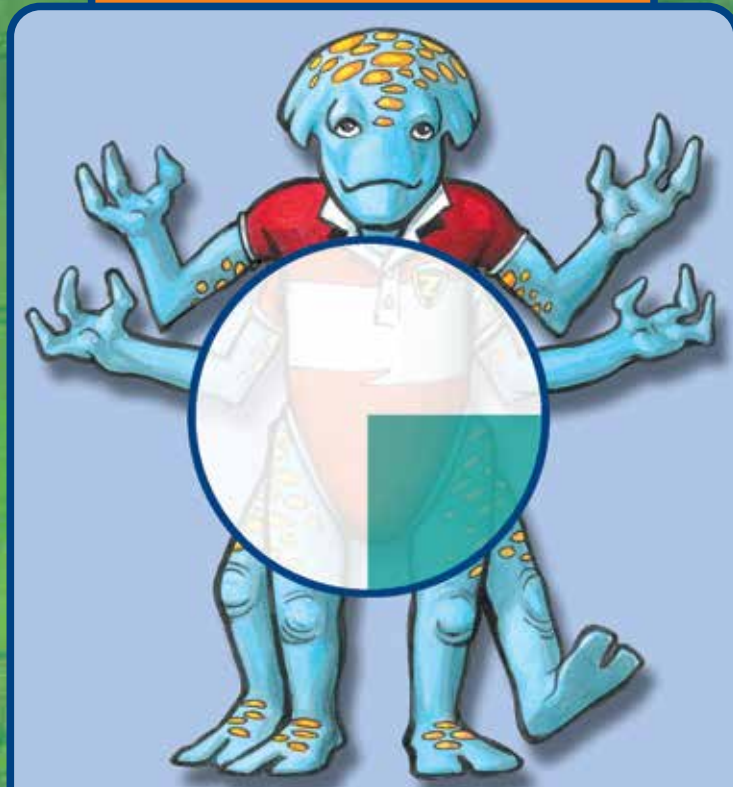


**Body Analyser: Human body**

**Body Analyser: Zerkonian**



Oxygen $\frac{65}{100}$	Carbon $\frac{19}{100}$	Hydrogen $\frac{10}{100}$
Nitrogen $\frac{3}{100}$	Calcium $\frac{1}{100}$	Other elements $\frac{2}{100}$



Silicon $\frac{1}{4}$
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### Activity One

- Write three true statements about human bodies using the information on the body analyser.

Here's an example:

There is far more oxygen in our bodies than any other element.

- The inhabitants of Zerkon are made up of  $\frac{1}{3}$  oxygen,  $\frac{1}{6}$  hydrogen,  $\frac{1}{12}$  carbon and other elements,  $\frac{1}{4}$  silicon, and  $\frac{1}{6}$  calcium.
  - Copy and complete the body analyser for an inhabitant of Zerkon.
  - Write three true statements about the body of an inhabitant of Zerkon.
  - What fraction of a Zerkonian body is not calcium? Express your answer in the simplest fraction.

### Activity Two

There are five teams in Pool A of the intergalactic rugby tournament: Earth, Zerkon, Pheon, Ngore, and Gangag. In the first round, every team must play every other team once.

How many games will there be in the first round?

### Activity Three

- Use the information in the table below to draw pictures of the contestants from Pool A of the intergalactic rugby tournament. The first two are shown in the illustrations.

Pool A	Heads	Arms	Legs
Earth	1	2	2
Zerkon	1	4	4
Pheon	3	4	1
Ngore	2	0	8
Gangag	5	3	2

- The contestants in Pool B of the rugby tournament are from Myon, Disopo, Arnell, Kuzon, and Ranosh. With a classmate, imagine what the contestants from these five planets look like and then draw them. Give your pictures to two other classmates to fill in a table showing the number of heads, arms, and legs they have.

