



Welcome Everyone
It's nice to meet you

Introductions 😊

- What's your name?
- What's your major?
- Where do you work?
- What are your hobbies?
- Do you have any siblings ? (if yes, please share their name/names)

Find someone who...

...has a pet.	...likes very spicy food.	...takes baths instead of showers.	...bites his/her fingernails.
...ate at McDonalds® in the last week	...is a lefty (left handed)	...owns more than two watches.	... lived abroad.
... drank coffee at breakfast today	... has a celebrity autograph.	... speaks more than two languages	... was born in January
...is a vegetarian.	... does not like broccoli	... snores.	... wears socks to bed.
...who is afraid of spiders.	...wakes up early.	...has twins.	...can't swim.



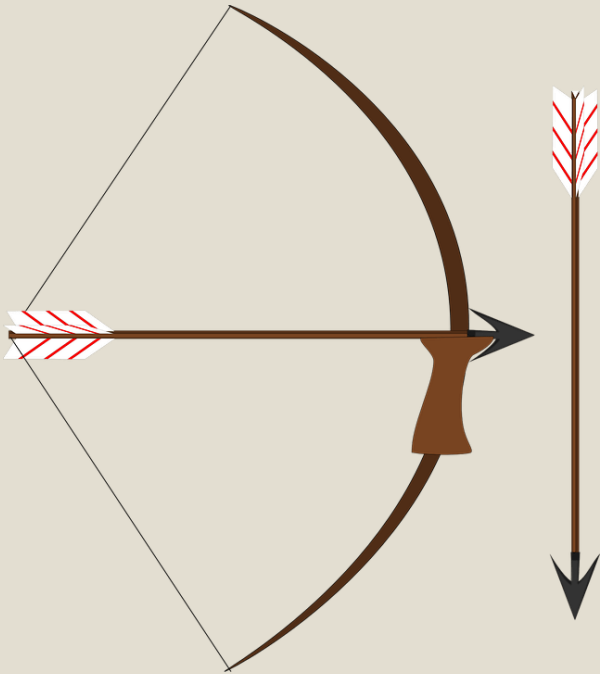
How can we save the Earth?

Use (*must- can- should- shouldn't- mustn't- can't*)



All of these modal verbs are used to express degrees of probability. Turn to page 82.

- She must be very rich.
- I must do my homework.
- I can't sleep because of the noise.
- They can't be in. There are no lights on.
- I think that's Jane, but I might be wrong.
- You should see a doctor.
- I could swim when I was five.
- Cheer up! Things could get worse.
- The train may be late due to bad weather.
- May I make a suggestion?



Ötzi the Iceman's final journey

- In 1991, a hiker discovered the mummified, 5,300-year-old body of a man who had died in the Ötztal Alps along the border of Austria and Italy. Nicknamed Ötzi, the frozen corpse was so well-preserved that its injuries and stomach contents have helped researchers reconstruct the story of his last days in the mountains. Now, a new study of the mosses and liverworts found inside his body and near his corpse are telling us even more about this Copper Age man's final days.
- When Ötzi's body was removed from the ice, researchers recovered thousands of scraps of moss and liverworts, a group known as bryophytes, from the area where he rested. Other bits of moss were found inside of him. For a new paper in the journal [PLOS One](#), James Dickson of the University of Glasgow and his colleagues decided to identify the plants found in the mountain ice to see what they reveal about Ötzi. Surprisingly, the team identified 75 different species of bryophytes, including 10 types of liverworts. Only about 30 percent, just 23 species, are native to the alpine region where the body was recovered, meaning the majority of the plants were transported to the site from elsewhere.
- So how did they get there? It's possible that bits of some of these plants were carried on the ice man's clothes or could have been deposited in the area in the feces of large herbivores, like a type of wild goat. But two species found in Ötzi's digestive tract give clues to his life before he made his final climb into the mountains.

- Ruby Prosser Scully at [New Scientist](#) reports that the researchers found a species called *Sphagnum affine*, or bog moss, in Ötzi's colon. That species is only found in wetlands. The team suspects it may have come from the Vinschgau valley in South Tyrol, Italy, an area that some researchers believe the ice man called home. Because it has long been known to have antiseptic properties, Ötzi may have used it to treat a major wound on his hand.
- So what happened to Ötzi and why did he flee to the mountains? Based on the injuries found on his body and an arrowhead embedded in his left shoulder that someone likely killed him, researchers have come up with a scenario. David Leveille at [PRI](#) reports that in 2017 a team of archaeologists, forensic scientists and police detectives put together the story the best they could from the clues.
- It's believed that a few days before his death, Ötzi was involved in a fight. During the altercation, he grabbed a sharp object, like a knife, which caused a significant wound to his right hand. Ötzi collected his gear, including a copper ax, food, and a first aid kit, and fled, using some moss to treat his wound. He traveled up the rugged valley, staying in the gorge to cover his tracks until he made it into the high mountains. Somewhere along the journey, he tried to build a bow and arrow, possibly to replace one he left behind in the fight, but his wounded hand meant he couldn't finish the job, leaving him without protection.

True or False

- The bryophytes in his body helped scientist reach the main purpose behind Otzi's death.
- Ötzi's digestive tract give clues to his life before he made his final climb into the mountains.
- Less than half of the species are native to the alpine region where the body was recovered.
- *Sphagnum affine* is only found in the wetlands.
- *Sphagnum affine* are also known to treat wounds and have antiseptic properties.
- Otzi was killed by a wild goat near the gorge where he was hiding.



In groups go back and reread
The passage look for words you
Couldn't understand... find their synonyms

Let's make some questions and answer using (possibility) about Otzi

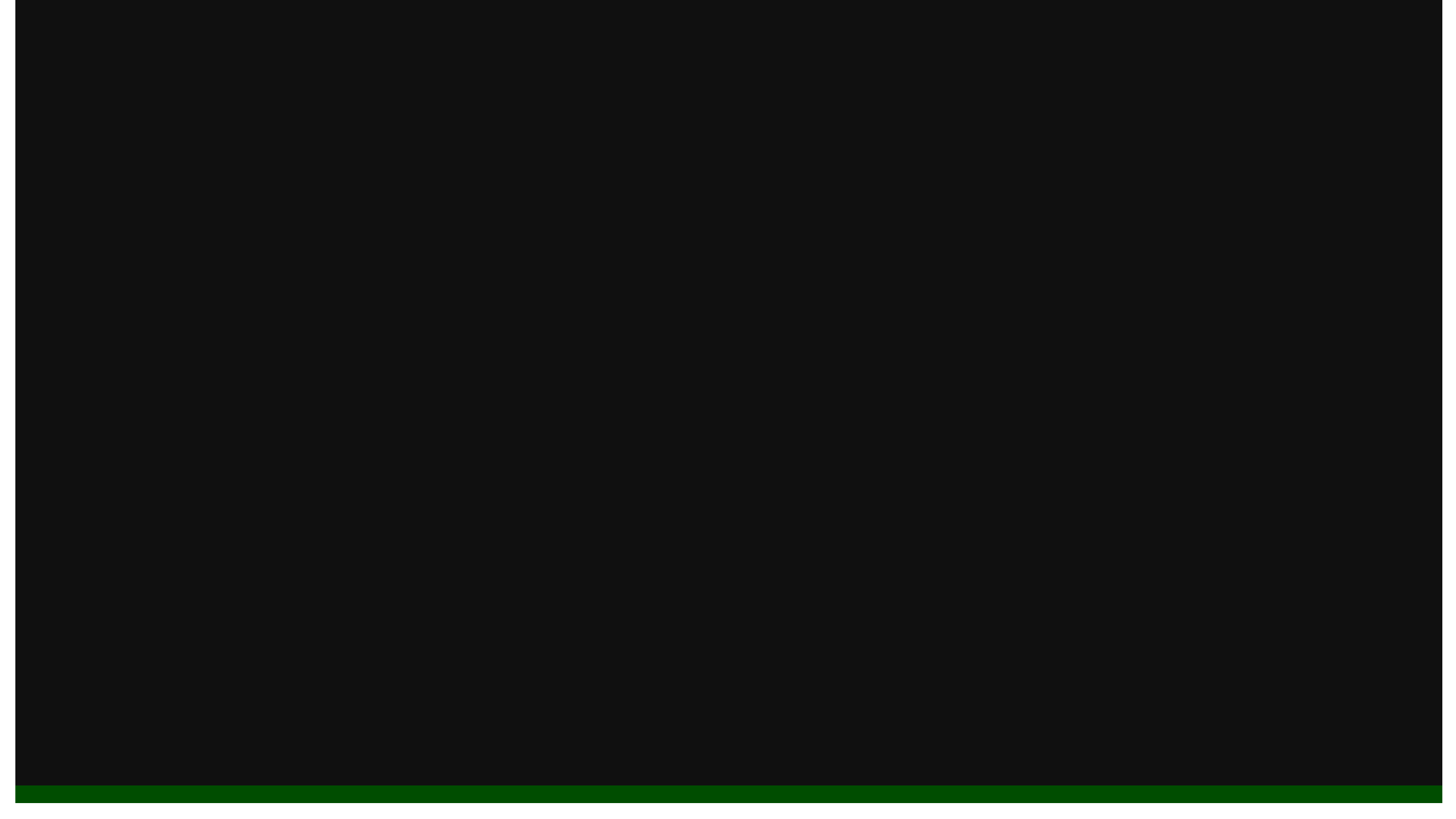
- What do you think he wore?
- What do you think he ate?
- Where?
- Who?
- How?

Role play : create an interview making probabilities about Otzi's life and answer some of questions using our discussion

In pairs...Let's try this

Turn to page 83 exercise 3

- What was he?
- A hunter/ Sheperd *could*.
- What was he doing in the mountains?
- Looking after his sheep/ gotten lost *might*
- Where did he live? What did he wear?
- A cave / animal skin *must*
- How did he die?
- Asleep/ cold and starvation *may*
- Was it a good idea to go so high?
- So high on his own *shouldn't*
- protective clothing *should*
- What did he eat?
- A lot of meat and berries *must*
- Crops like grains to make bread *might/can't*
- Did they travel much?
- (Not) much at all *wouldn't have thought*
- Stayed in the same area *must*
- How old was he when he died?
- Between 40 and 45 *could*
- Pretty old in those days *must*



What could have happened if....?

- There was no technology?
- Mother nature only existed?
- We weren't living on Earth?
- Make it to the fourth second?
- We stopped making factories?

Assignment 😊

- Search online for an interesting topic, one that could have many different possibilities.