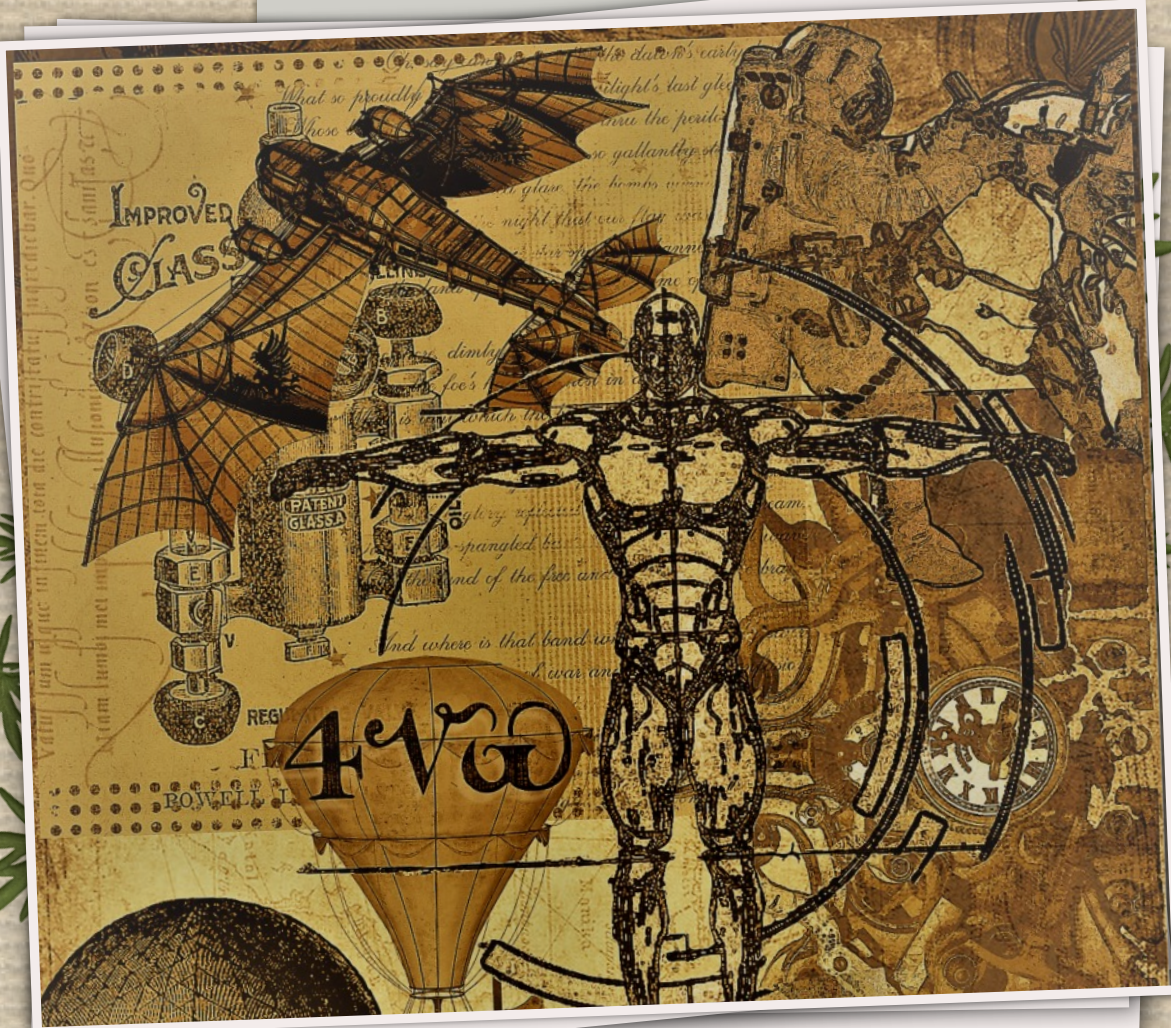


# STREAM

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Science + Technology + Responsibility +  
Engineering + Art + Mathematics

For English as a second language



# STREAM

## Table of contents

Unit	Grammar	Vocabulary
1 Science: Chemistry	<i>Verb to be</i> Am/ is/ are "I'm from Croatia..." She's a chemist <i>Possessive adjectives</i> My, your, his, her	<i>States of matter:</i> Solid, liquid, gas, plasma <i>Everyday things</i> The building blocks of everyday things Atoms & chemicals
2 Technology: Programming	<i>Verb to be</i> <i>Possessives</i> Tamara's computer <i>Questions and negatives</i> What's his first name? Is she German? <i>Negatives and short answers</i> No, she isn't	<i>Family tree:</i> Mother, Father, Sister, Brother, etc... <i>Modern technology</i> Parts of a computer <i>Opposites:</i> Old/ New, Big/ Small, Hot/ Cold, etc...
3 Responsibility: Green Living	<i>Present Simple 1</i> he/ she/ it He washes up fast <i>Questions and negatives</i> Does he speak Italian? No, he doesn't.	<i>Everyday jobs:</i> Doctor, Cashier, Police, etc... <i>"Green" jobs:</i> Solar technician, Bio Chemist, etc...
4 Engineering: Invention & Design	<i>Present Simple 2</i> I/ we/ they I go to school. We don't watch movies. <i>There is/ There are</i> There's food on the table.	<i>Verbs:</i> Daily activities <i>Simple machines:</i> Pulley, Lever & Fulcrum, Screw, etc... <i>5 Steps of Engineering</i>
5 Art: Painting & Sculpture	<i>Can/ Can't</i> I can draw well. He can't speak Portuguese. <i>Prepositions of place</i> Inside, outside, upside down <i>This &amp; that/ These &amp; those</i> This is a paintbrush. That is a pencil.	<i>Types of art:</i> Portrait, Landscape, Still Life, etc... <i>Art materials:</i> Scissors, Glue, Paint, etc... <i>Shapes, Lines &amp; Colors</i> <i>Adjectives:</i> Soft/ Hard, Dark/ Light, etc...
6 Mathematics: Basic Numeracy	<i>How many?</i> How many blocks are there? <i>Some &amp; any</i> There are some gummy bears. Are there any toothpicks? <i>Was/ were</i> Where were you this morning?	<i>Symmetry &amp; Patterns</i> More than/ Less than <i>Arithmetic:</i> Plus, Minus, Equals, etc... <i>Plants and animals</i> <i>Household objects:</i> Window, Chair, Bed, etc...



# STREAM

## Table of contents

**Skills Work**

**Useful Phrases**

**Writing**

How do you spell...?

Telephoning

Write the conversations

Asking & Answering

Shopping

Make sentences using possessives

Read & listen: Climate science

Weather

Write about someone you know

Speaking: Your daily routine

When/ What time...

Problems & solutions

Read & listen: Artist biography - Georgia O'keefe

Likes & Dislikes/ Good manners

Describe a painting

Speaking: How many/ How much

Around the house

Arithmetic: Word problems



# Unit 1 Chemistry

Hello & Goodbye + am/ is/ are +  
my/your/his/her + numbers + states of matter

## 1 Listen and Read:

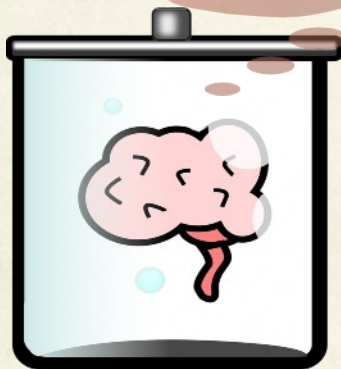
**A:** Hello. My Name's George. What's your name?

**B:** I'm Pearl.

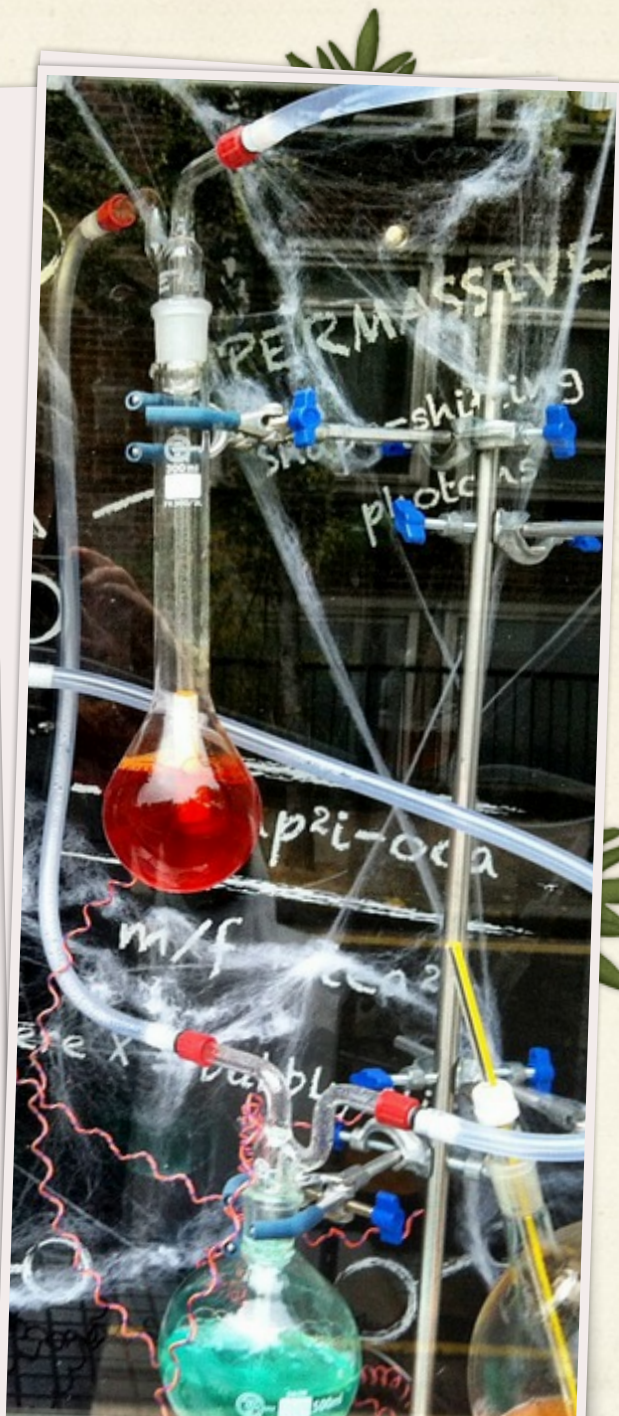
**A:** Where are you from?

**B:** I'm from America.

Stand up one by one and say  
your names.



**Grammar Note:**  
Name's = Name is  
What's = What is  
I'm = I am



## HELLO! WHAT'S YOUR NAME?



This is Marie Curie  
She's from France



This is Dmitri Mendeleev  
He's from Russia



This is Lise Meitner  
She's from Austria



This is Alfred Nobel  
He's from Sweden



## 2 Write the conversation.

A Hello. My \_\_\_\_\_ Anna. What's \_\_\_\_\_?

B \_\_\_\_\_ Jamie.

A \_\_\_\_\_ are you from, Jamie?

B \_\_\_\_\_ from New York. Where \_\_\_\_\_ from?

A \_\_\_\_\_ Miami.

## 3 Get up and speak to the class!

Hello! My Name's \_\_\_\_\_. What's yours?

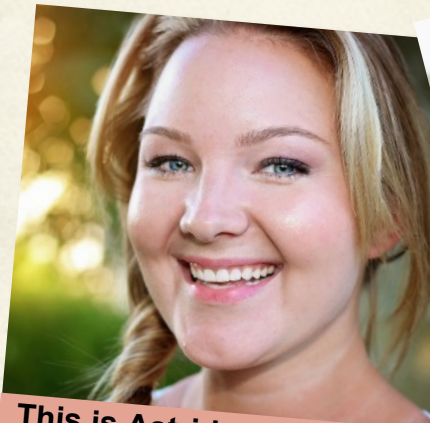
I'm Neva.

Where \_\_\_\_\_ from, Neva?

I'm from \_\_\_\_\_.



## 4 What country is he/ she from?



This is Astrid.  
She's from Stockholm.



This is Mark and Tessa.  
They're from London.



This is Frank.  
He's from New Orleans

## 5 Listen and say:

	••	••	•••
The UK	Sweden	Ukraine	Croatia
Greece	China	Iran	Portugal
Spain	Ireland	Japan	Italy



This is Joy.  
She's from Hong Kong.

### Grammar Note:

He's = He is

She's = She is

They're = They are

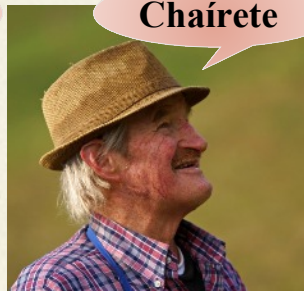


## WORKSHEET: Where are they from?

6 Write what country the people are from. Use countries from exercise 5.



This is Anamaria.  
*She's from Spain.*



This is Zorba.



This is Jen and Kit.



This is Noushin.



This is Shan.



This is Elsa.



The Madeira Family.



This is Giovanni.



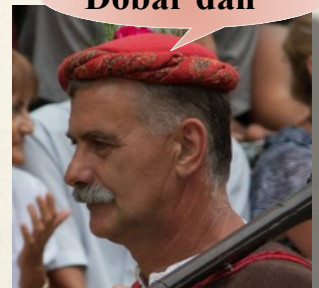
This is Bryna.



This is Dmitry.



This is Nara & Ume.



This is Petar.

### Grammar Practice:

Finish the table with *am*, *is*, and *are*.

I		from Japan
He/ She/ It		
We/ You/ They		

What's his name?

Petar.

Where's he from?

Croatia.

What's her name?

Anamaria.

Where's she from?

Spain.



## PRACTICE

**About you:** Choose a partner. Ask and answer questions about the students in this class.

What's her name?

Where's she from?

**About your partner:** Tell the students in this class about your partner.

This is Karla. She's from Dubrovnik, Croatia.



### Listen and speak:

This is Gretel and Hansel. They are from Hamburg, Germany. Gretel is 23. Hansel is 25. They're scientists. They study chemistry.

### Listen and speak:

This is Stefano. He's from Rome, Italy. He is 31. Stefano is a scientist. He studies volcanoes. He wants to learn English for work.



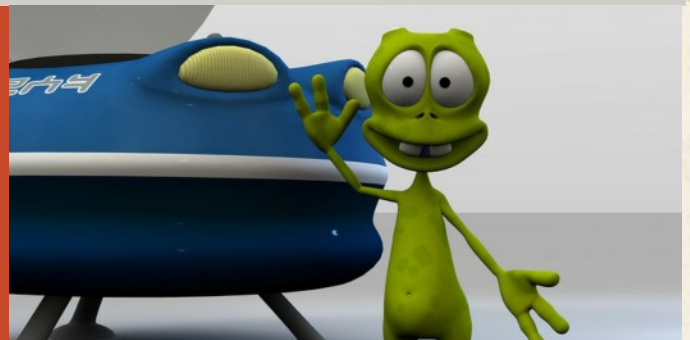
### Finish the sentences with *her* or *is*:

\_\_\_ name \_\_ Sara. She\_\_ from Madrid, Spain. Sara \_\_ 9. She \_\_ a student. \_\_\_ mother \_\_ a scientist. Sara wants to be an artist.



### Finish the sentences with *his* or *is*:

\_\_\_ name \_\_ Gerg. He \_\_ from Mars. Gerg \_\_ 12. He \_\_ a student. \_\_\_ father \_\_ a teacher. Gerg wants to learn English so he can talk to you.

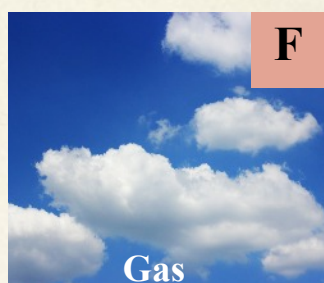
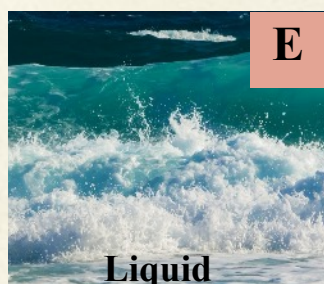




## VOCABULARY & PRONUNCIATION: States of matter

- 1 Listen to the song "Solid, Liquid, Gas". Say the words together.
- 2 Match the words and pictures. Note: Some words are *singular*, some are *plural*.

	••	•••	•••
ice stones a lock keys fire clouds smoke steam	lava iron water syrup plasma	chocolate	a volcano



- 3 Ask and answer questions with the class:

What is "C"?

It is steam.

How do you spell that?

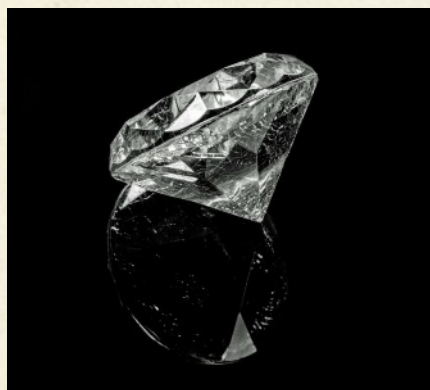
S, T, E, A, M...



## HOW DO YOU SPELL...

We combine *letters* to spell *words*:

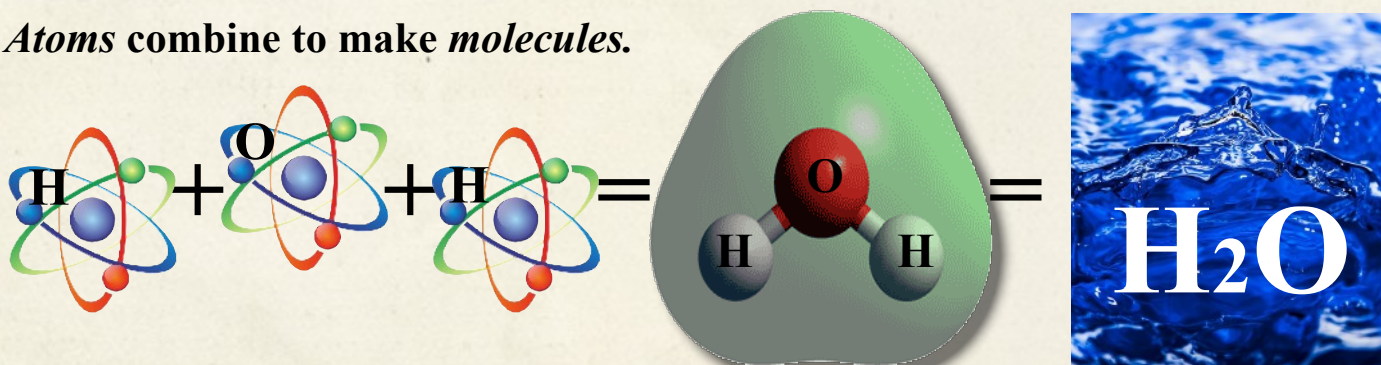
**E + G + G = EGG =** 



GRAMMAR NOTE: When to use "a" When to use "an"	A	Diamond	Coffee	Balloon	Molecule
	AN	Umbrella	Egg	Ice cream	Atom

## HOW DO YOU MAKE...

*Atoms* combine to make *molecules*.



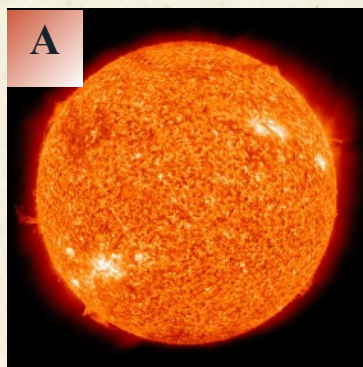


**WORKSHEET: States of matter**

Match the words from the box with the pictures.

Circle the correct state of matter for each one.

☐ car    ☐ juice    ☐ sun    ☐ shell  
☐ flame    ☐ lightning    ☐ milk    ☐ lamp



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



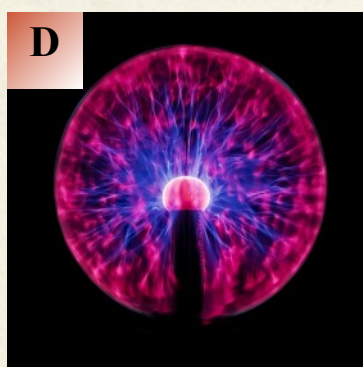
**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



**SOLID**  
**LIQUID**  
**GAS**  
**PLASMA**



## USEFUL PHRASES: Telephoning



- 1 Say the numbers 1 - 20 as a class.
- 2 Take turns practicing saying the telephone numbers.

6001 495

5036 1109

706 8273

471 1853

- 3 Listen and then read the text.

**A** Hello, this is Elvis. Who is calling?

**B** It is your brother, Jimi.

**A** Hello, Jimi. How are you?

**B** I'm fine, thanks.  
I want to talk to mom.

**A** Sorry, she's not home. Do you want to leave a message?

**B** No. Goodbye, Elvis.

**A** Goodbye, Jimi.

**A** Is this 482 9705?

**B** Yes. Carla speaking. Who are you?

**A** It's me, Selena! Your school friend. Do you want to meet today?

**B** Yes. Where can we meet?

**A** How about the park?

**B** Ok, see you later!

**A** Hello, it's me.

**B** Who is this?

**A** Your sister Sandra.

**B** I'm afraid you called the wrong number.

**A** Is this 361 8095?

**B** No...

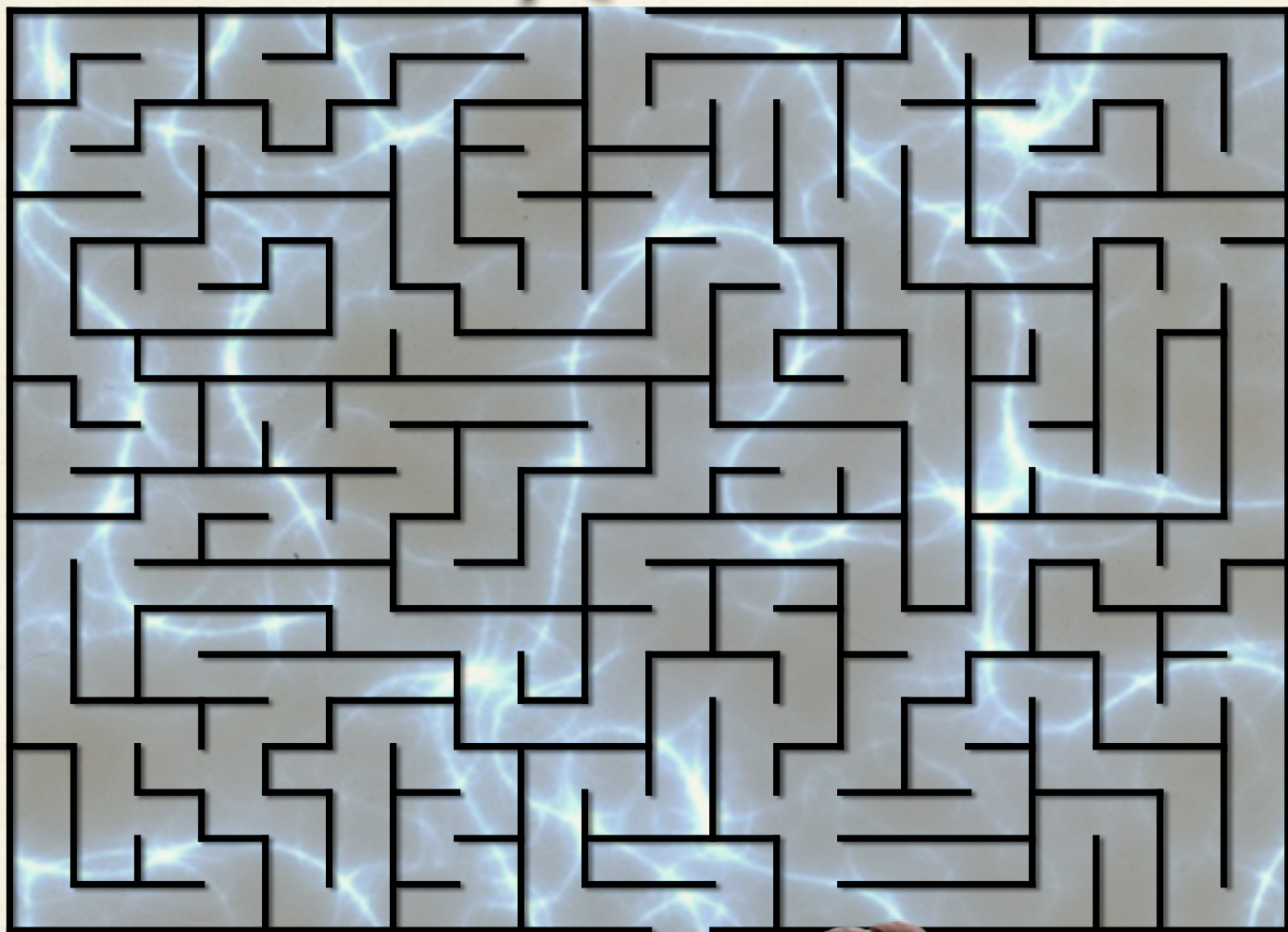
**A** Oh, I'm sorry. Goodbye.



- 4 Write one of the conversations from above.



1 Help the mouse find the chocolate.



B	G	S	A	E	T	M	S	T	E	A	M	R	T	O	P
W	J	U	I	C	E	T	L	X	R	V	U	W	H	J	L
C	N	H	Q	P	O	C	L	O	U	D	S	A	U	Z	A
V	O	L	C	A	N	O	F	H	C	Y	D	T	B	I	S
E	F	V	B	H	I	S	K	O	L	K	D	E	L	I	M
A	X	C	H	O	C	O	L	A	T	E	F	R	A	B	A
W	D	V	H	I	O	L	P	B	G	E	W	A	V	S	T
S	T	O	N	E	Y	I	D	C	R	U	N	K	A	L	S
E	D	X	L	A	P	D	I	A	M	O	N	D	O	B	M
Q	T	I	I	P	F	R	K	G	O	N	A	T	K	Z	O
Y	D	V	Q	U	N	I	C	S	Y	R	U	P	E	M	K
L	A	H	U	B	T	R	R	O	E	D	Y	P	Y	O	E
M	F	T	I	C	P	O	H	E	T	I	G	A	S	K	P
I	V	G	D	J	L	N	S	Q	A	N	O	N	Z	J	R
L	E	R	H	U	M	A	E	D	L	T	F	X	E	E	O
K	W	C	A	R	O	B	A	L	L	O	O	N	Y	D	G

2 How many words can you find?

STEAM	JUICE
CLOUDS	WATER
LAVA	PLASMA
VOLCANO	SOLID
DIAMOND	STONE
LIQUID	MILK
BALLOON	GAS
CHOCOLATE	KEYS
IRON	SMOKE
SYRUP	CAR



## Map: Countries of Europe

1 Take turns reading the names of European countries.

