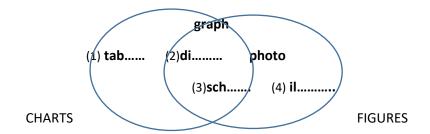
Describing a process, Rivers

1. Warm-up

- Which visual have you produced recently what did it show?
- What do you think is the most famous example of a graph in science?
 (https://www.youtube.com/watch?v=98kbYeTC6Mo 0.38 1.40)

2. How to write a paper in scientific journal style: tables and figures http://abacus.bates.edu/~ganderso/biology/resources/writing/HTWtablefigs.html#legends

1. Complete the missing words for types of visuals:



- 2. Are the words 'chart' and 'figure' used to mean the same or different types of visuals?
- 3. What is a 'photograph'?
- 4. When referring to figures and tables in the text, are the words abbreviated?
- 5. If you wish to show a trend or a relationship between sets of values, which of the above types of visuals you should use?
- 6. Do you number tables and figures independently (Table 1, Figure 1) or continuously (Table 1, Figure 2) in the sequence?
- 7. Any table or figure must be described by its legend (i.e. caption). Where are the legends placed?
- 3. Point bar deposits https://www.youtube.com/watch?v=k1ilDHpDBFA 0-2.55

These are words and phrases related to rivers. Check whether you understand them.

river bend meandering outside/inside bank flow velocity

deposition erosion high flow conditions

Listen and draw a scheme of what happens with the river bend.

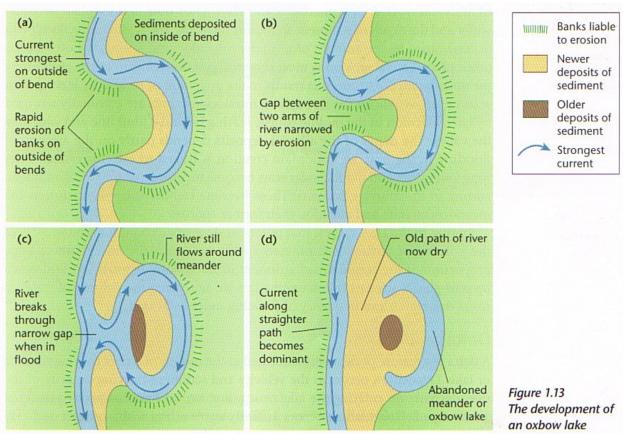
What process does the speaker describe? of the bend

4. Description of the process: Use all the words from the box to complete the gaps in the text.

	abandoned	d course	crescent		current	discharge
fric	ction	migrate	velocity	bend	flood	

D. Waugh: Geography, An Integrated Approach, 2nd edition, p.74

5. Work in pairs and explain how the oxbow lake is formed.



6. Writing captions: Remove four words from each sentence to get the right form of a caption.

- A) The figure shows the copper concentration in the soft and exoskeleton tissues of four shrimp species.
- B) The table presents a comparison of the physical and chemical characteristics of the hydrothermal fluids at Menez Gwen, Lucky Strike and Rainbow (adapted from Douville et al., 2002).

7. Vocabulary

Look at the visuals. Complete the labels (1-16) using the words in the box.

Tables

column row

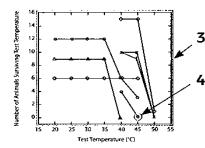
1 ______

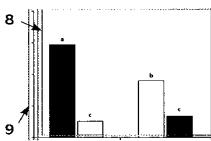
Site	Ria Formosa 37°03'N; 07°47'W	Rainbow 36°13'N, 33°54'W	Seawater	
T (°C)	17.3a	365°		
pH	8.283	2.8 ^C	7.8	
H.5 (mv)		1.04	. <u>7.8</u>	
CO, (mv)		< 16 ^C		
CH (mv)	-	2.2-2.5 ^C	-0	
Cd (mv)	0.9 - 4.5a	130 ^C	0.7	
Cu (pv)	0.02 - 0.058	140<	0.0033	
Zn (µv)	0.02 - 0.038	160<	0.028	
Fe (uv)	8 - 52 ^b	240005	0.0045	
Mn (vw)	2.5 - 6.3b	2250<	0.0013	
CI (me)	-	750€	340	
Co (pv)	-	13€	<2	
Ag (nv)	-	47€	0.023	
Ni (uv)	-	3¢	<2	
Si [mu]	_	6.9⊂	<0.2	

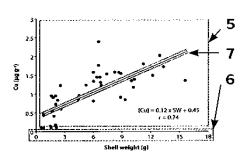
Two-variable graphs

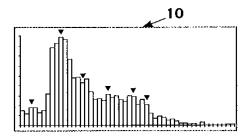
bar chart histogram line graph line of best fit point scatter plot x-axis y-axis

3	
4	
5	
6	
7	
8	
9	
10	





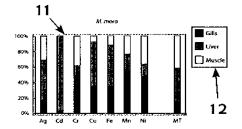


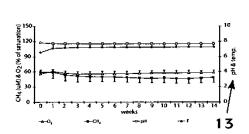


Three-variable graphs

key label stacked bar chart

11	
12	
13	

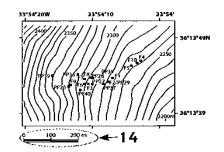


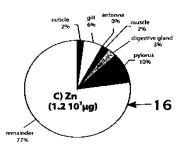


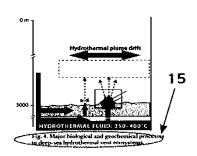
Other

caption pie chart scale

14	
15	
16	







8. Complete	the senter	ices below u	sing the word	ds belov	v to describ	e the purpose	of a chart.	
bar chart	diagram	histogram	line graph	тар	pie chart	scatter plot	stacked bar chart	table
It is best	to use a							
a)		or	to	show a	comparisor	n between iten	ns	
b)	b) to show a correlation							
c)	c) to describe a location							
d)or a to show proportions of a whole								
e)	e)to describe a structure							
f)		or a	to	o show t	trends			

Source: Armer, Tamzen: Cambridge English for Scientists, CUP, 2011, p.58

9. Think about a topic for your JA002 exam presentation. What diagram or picture could you use to explain an important point in the topic?