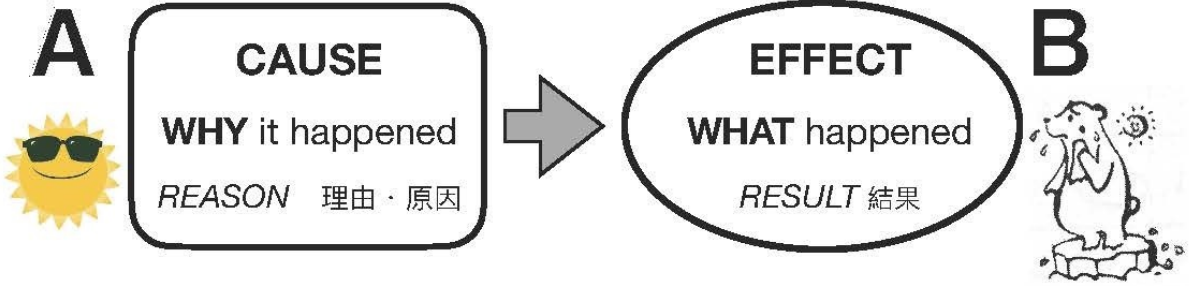


PART 1: DEFINITIONS



PART 2: KEY EXPRESSIONS

- When **A** , **B**
- As a result of **A** , **B** * **A** = verb → verb-ing
 (for fast reactions)
- * As soon as **A** , **B**

★ Results should be written in the **past tense** (過去形).

PART 3: MAKE SENTENCES

Create cause-and-effect sentences with the key expressions above.

Example-





CAUSE: rain EFFECT: plants
When it rained, **more plants grew.**

CAUSE	EFFECT
◇ be scared When	◇ heart rate (心拍)
◇ increase carbon emissions (炭素放出が増える) As a	◇ global temperature
◇ add mentos to diet coke * As soon	

Word Box (verbs)
 bubble 泡立ち
 fizz シューツという
 explode 爆発する
 heat up 温まる
 change color

PART 4: DENSITY EXPERIMENT (密度の実験)

Do you know these things in English? Use a dictionary and write in their names.

Liquids (液体)	Solids (固体)
水 _____	_____  金属ナット
食用染料 _____	ぶどう  _____
シロップ _____	_____  プラスチック ボトル のふた
油 _____	スポンジ  _____

MATERIALS

METHOD

1. () the () _____ p_____ into the ().
2. () the () _____ p_____ into the ().
3. () the () _____ p_____ into the ().
4. () the () _____ p_____ into the ().
5. () the () _____ p_____ into the ().
6. () the () _____ p_____ into the ().
7. () the () _____ p_____ into the ().

PART 5: WRITING RESULTS

Create cause-and-effect sentences about the density relationships of the liquids and solids. **First**, make a **hypothesis**- What do you think will happen? Please check (✓) and complete the sentence if necessary. **Then**, watch the video and write the **results**.

◆ Result: When **A** , **B** .

	A	B
1	water + syrup	<i>hypothesis:</i> () it will sit on top of the _____ () it will sink to the bottom.
Result:		
2	+ oil	<i>hypothesis:</i> () it will sit on top of the _____ () it will sink to the bottom.
Result:		
3	+ metal nut	<i>hypothesis:</i> () it will sit on top of the _____ () it will sink to the bottom.
Result:		
4	+ grape	<i>hypothesis:</i> () it will sit on top of the _____ () it will sink to the bottom.
Result:		
5	+ bottle cap	<i>hypothesis:</i> () it will sit on top of the _____ () it will sink to the bottom.
Result:		
6	+ sponge	<i>hypothesis:</i> () it will sit on top of the _____ () it will sink to the bottom.
Result:		