

Name: _____ Class: _____ () Date: _____

Teachers'
version

Enquiry question: Is flooding only a bad thing?

Case study 1: A news article about typhoon Hato in Hong Kong (edited)



Powerful typhoon Hato caused great storm surges that hit Hong Kong badly, August 2017.

Severe Typhoon Hato destroyed Hong Kong leaving flights grounded and trade at a temporary standstill. Hurricane-force winds flooded some coastal or low-lying areas and left a trail of trash that ruined the city streets. **3**

The severe storm triggered the territory's first Typhoon Signal No. 10 in five years. Hato brought maximum sustained winds of up to 107 mph and gusts of up to 139 mph, according to the observatory. **6**

Hato brought heavy rain, strong winds and serious flooding. At least three people were killed and two others remain missing. Electricity has reportedly been knocked out across the territory and there are concerns **9** that water supply might also be cut, affecting people's daily life. Besides, hundreds of flights have been canceled or delayed.

1. Name any TWO terms (conditions) related to typhoon.

Storm surges, heavy rain, strong winds, hurricane-force winds

2. Which area(s) are affected?

Coastal areas, low-lying areas

3. How does flooding affect people's life?

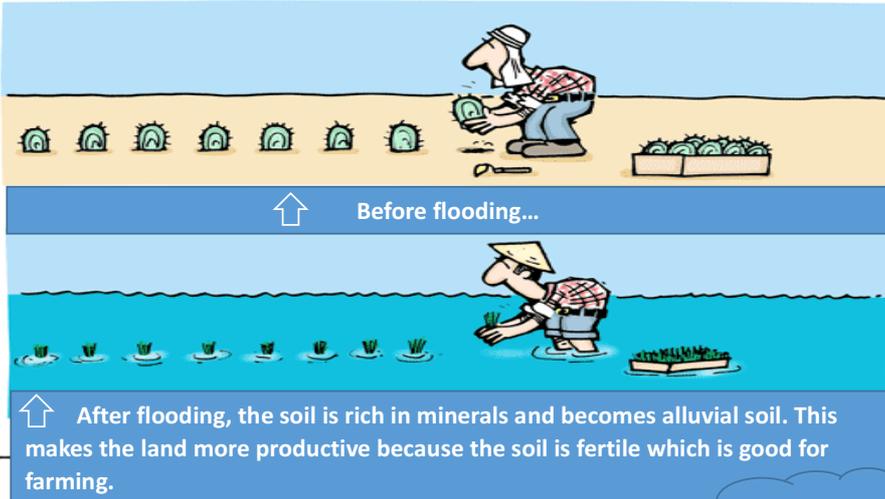
Flights are canceled or delayed, electricity or water supply is cut off, people are killed or injured, trade is standstill, etc.

4. List at least TWO words that are negative in meaning.

Badly, destroyed, ruins

Points awarded: _____ /4

Case study 2: A cartoon



Question: "Flooding causes great damages, but also brings benefits. Why?"

Which sentence/line is the clue?

Guided answer:

(Case 1) The reason for flooding can be related to strong winds and storm surges that lead to great destruction. Some coastal or low-lying areas will be flooded that left the city streets in ruins. Flooding may result in the loss of life and property. There is a possibility of the suspension of electricity and water supply that causes inconvenience for people. Besides, some serious floods also lead to the disruption of transportation (the cancellation or delay of flights).

Example:

Which one are we point to? (Pointer) / How many or how much? (Numerative)	What's it like? (Describer)	What are we talking about? (Thing)	Which one in particular?
Some	serious	floods	(also lead to) the disruption of transportation

Nominalization: (for example: change the words into "noun")

1. Destroyed → destruction
2. Caused → (the reason for/ the cause of)
3. Might → (possibility/ risk/ chance)
4. Cut/ cut off → (suspension)
5. Cancelled → (cancellation)

How to do the nominalization?

(Case 2) However, flooding has brought benefits as well. Rich alluvial soil is brought after flooding which contains rich minerals. The fertile soil can _____ ** (2 points) (increase the productivity) of land which is good for farming.

Points awarded: /7

**Which paragraph may not be helpful for you to answer the question?

Case study 3: A news article about flooding in China (edited)



A bridge destroyed by floods in southwestern China's Sichuan province, July 2018.

Authorities in the southwestern Chinese province of Sichuan have declared a state of emergency after a mountainous region was hit by floods and landslides following days of heavy rain. Water levels on a number of major rivers in the region are higher than before which reach the warning line.

Thousands of travelers were detained after landslides and floods blocked major highways and the severe floods badly affected flights at Chengdu International Airport.

The government has issued a red alert for landslides and other "geological disasters," and a top-level emergency response for flooding in the region, official media reported.

Some 900,000 local residents have been affected, with more than 100,000 forced to evacuate from their flooded homes. Meanwhile, 12 people have died in the far western province of Gansu, where authorities evacuated some 27,000 people after the region was also hit by floods and rainstorms.

"The damage on agriculture around Mianyang has been enormous," Zhou said. "Farms, equipment and homes have all been flooded." "We haven't seen flooding this severe for 50, maybe even 100 years," he said.

Points awarded: /4

1. Name the TWO hazards in the news.

Landslides, floods

2. What causes floods and landslide?

Heavy rain

3. Which area(s) are affected?

Mountainous region, southwestern part

4. List at least TWO words that are negative in meaning.

Destroyed, warning line, damage, disaster, etc.

What are the effects of flooding in China?

Points awarded: /5

Task force 1: Collaborative work-Classification of the effects of flooding into different aspects

Daily life	Economy	Society	Environment	Government
Houses are flooded, homeless, forced to evacuate,	Economic loss, crop failure/ damage on agriculture	Disruption of traffic (the blockage of roads or suspension of flights), *spread	Landslides, *Pollution, *messy streets	*Heavy burden (emergency aids/ reconstruction), *negative image

Comment [III]: Economic damage isn't just agricultural, is it? What about towns and villages and the cost of rebuilding not only personal belongings, homes and commercial properties but infrastructure, too, eg vehicles are damaged, the interiors of properties are ruined (it's not just that they have to move or can't stay in their homes (which you have in the daily life column) but they have to find the money to replace everything and start anew (and insurance rarely covers floods (a so-called act of God), bridges, railways are roads washed away.

injuries or deaths		of disease	*own knowledge	(ineffective relief)
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Task force 2: Write one paragraph on your own about the effects of flooding in China. (At least ONE)

Guided answer: Flooding brings environmental impacts as heavy rain causes the rise in water levels of major rivers, which results in/ leads to floods and, in some mountainous regions, landslides as well.

Comment [112]: Good that you have given them a model.

Sample answer: (Paragraphs 1 and 2)

One social damage caused is the disruption of transport (like railway). Landslides and floods result in the detainment of tourists (or residents) due to the blockage of major highways (or roads). Some severe floods cause the negative effects on air traffic (that increases the chance to chaos or instability).

Sample answer: (Paragraph 5)

Economically, flooding leads to the enormous damage on agriculture because of the flooded farms and equipment.

Challenge task: Besides the rich alluvial soil, can you think of another positive effect of flooding?

(Hint: How is it related to the water cycle? Will the ecosystems or living organisms benefit from floods?)

1. Flood waters absorb into the ground and infiltrate into the rock can recharge these underground aquifers, which supply natural springs, wells, rivers and lakes with fresh water.
2. Floods contribute to the health of ecologically important wetland areas. Healthy wetlands promote healthy water supplies and even affect air quality. Floods also carry and deposit nutrient-rich sediments that support both plant and animal life in wetlands.

Self-check:

- *Understanding
- *Accuracy
- *Task completion




Total points: /20

Follow-ups:

- Mind-map (Popplet)
- Extended task

Extended task and references:

1.

https://www.youtube.com/watch?v=JRz_8NgS1Zk

China's Extreme Flooding: See Dramatic Scenes of Rescue and Ruin | National Geographic



2.

<https://www.scmp.com/video/china/2162528/12-million-people-affected-severe-flooding-chinas-guangdong-province>

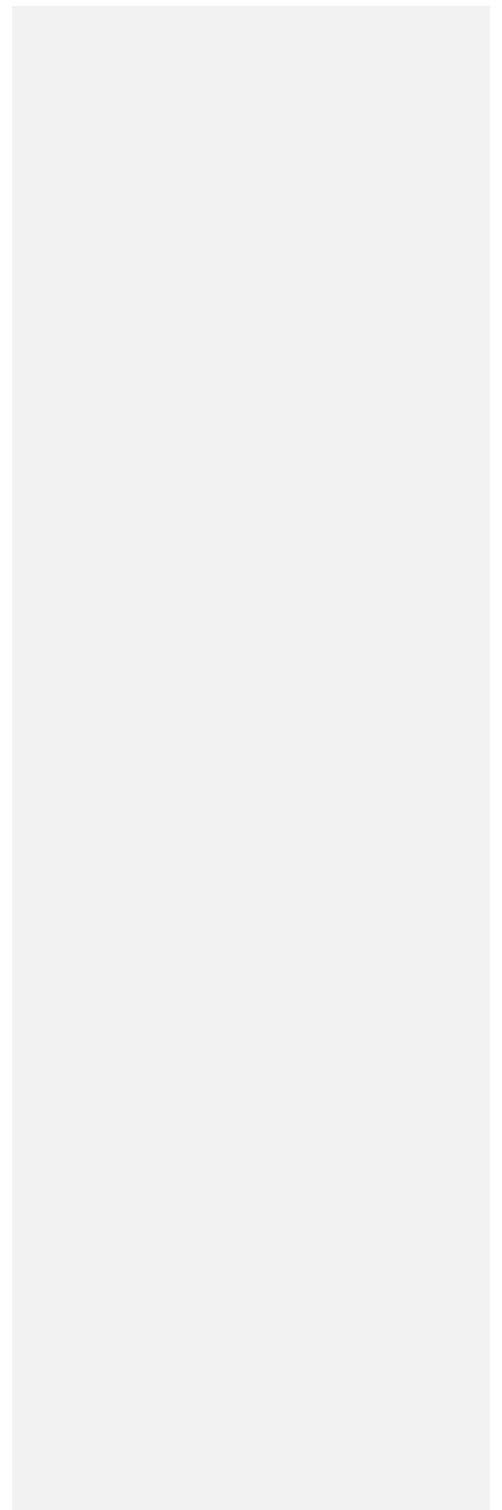
Extreme weather in China



3.

<https://www.rfa.org/english/news/china/millions-hit-by-severe-flooding-in-chinas-sichuan-gansu-provinces-07132018113550.html>

Millions Hit by Severe Flooding in China's Sichuan, Gansu Provinces 2018.7.13



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Hato brought heavy rain, strong winds and serious flooding. At least three people were killed and two others remain missing. Electricity has reportedly been knocked out across the territory and there are concerns **9** that water supply might also be cut, affecting people's daily life. Besides, hundreds of flights have been canceled or delayed.

1. Name any TWO terms (conditions) related to typhoons.

Blank space for answer to question 1.

2. Which area(s) are affected?

Blank space for answer to question 2.

3. How does flooding affect people's lives?

Blank space for answer to question 3.

Comment [TII3]: Do they understand this? Why not use "average"?

4. List at least TWO words that are negative in meaning.

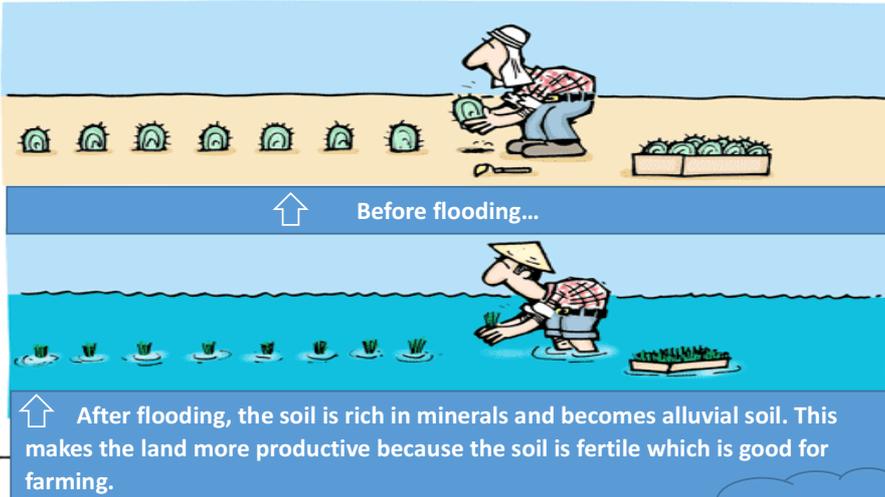
Blank space for answer to question 4.

Comment [TII4]: Are they still missing?

Comment [TII5]: See my comment below re the use of "besides".

Points awarded: _____ /4

Case study 2: A cartoon



Question: "Flooding causes great damage, but also brings benefits. Why?"

Guided answer:

(Case 1) The reason for flooding can be related to strong winds and storm surges that lead to great destruction. Some coastal or low-lying areas will be flooded and this leaves the city streets in ruins. Flooding may result in the loss of life and property. There is a possibility of the suspension of electricity and water supply, which causes inconvenience for people. Besides, some serious floods also lead to the disruption of transportation (the cancellation or delay of flights).

Example:

Which one are we point to? (Pointer) / How many or how much? (Numerative)	What's it like? (Describer)	What are we talking about? (Thing)	Which one in particular?
Some	serious	floods	(also lead to) the disruption of transportation

Nominalization: (for example: change the words into "noun")

1. Destroyed → _____
2. Caused → _____
3. Might → _____
4. Cut/ cut off → _____
5. Cancelled → _____

(Case 2) However, flooding has brought benefits as well. Rich alluvial soil, which contains minerals, is brought with the flooding. The fertile soil can _____ *(2 points) (increase the productivity) of land which is good for farming.

Points awarded: /7

Which sentence/ line is the clue?

Comment [T116]: In this example, "damage" is not countable. If it were countable, then you wouldn't use great, you'd use many or a word like thatr.

Comment [T117]: "that" is used for defining relative clauses, "which" can be used for both defining and non-defining. In this example, you are not defining anything, you are elaborating.

Comment [T118]: Please don't use this word – it is used incorrectly almost 1005 of the time in HK. Rather than explain it here, just take my advice and do NOT use it at all (anyway, it is used less in formal writing and more in speaking). Use instead (if you want a conjunction): Also, In addition, or Furthermore.

How do we nominalize these words?

Comment [T119]: Remember that the relative pronoun should be adjacent to the thing it relates to – here, "which" relates to "soil" not "flooding".

**Which paragraph may not be helpful for you to answer the question?

Case study 3: A news article about flooding in China (edited)



A bridge destroyed by floods in southwestern China's Sichuan province, July 2018.

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"The damage on agriculture around Mianyang has been enormous," Zhou said. "Farms, equipment and homes have all been flooded." "We haven't seen flooding this severe for 50, maybe even 100 years," he said.

Points awarded: /4

1. Name the TWO hazards in the news.

2. What causes floods and landslide?

3. Which area(s) are affected?

4. List at least TWO words that are negative in meaning.

What are the effects of flooding in China?

Points awarded: /5

Task force 1: Collaborative work-Classification of the effects of flooding into different aspects

Daily life	Economy	Society	Environment	Government

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Task force 2: Write one paragraph on your own about the effects of flooding in China. (At least ONE)

Guided answer: Flooding brings environmental impacts as heavy rain causes the rise in water levels of major rivers which results in/ leads to floods and landslides in some mountainous regions.

Challenge task: Besides the rich alluvial soil, can you think of another positive effect of flooding?

(Hint: How is it related to the water cycle? Will the ecosystems or living organisms benefit from floods?)

Self-check:

*Understanding

*Accuracy

*Task completion



Total points: /20

Follow-ups:

Mind-map (Popplet)

Extended task

Extended task and references:

- https://www.youtube.com/watch?v=JRz_8NqS1Zk



China's Extreme Flooding: See Dramatic Scenes of Rescue and Ruin

- <https://www.scmp.com/video/china/2162528/12-million-people-affected-severe-flooding-chinas-guangdong-province>



Extreme weather in China

- <https://www.rfa.org/english/news/china/millions-hit-by-severe-flooding-in-chinas-sichuan-gansu-provinces-07132018113550.html>

Millions Hit by Severe Flooding in China's Sichuan, Gansu Provinces 2018.7.13

