



### SOURCE 1: Deforestation in Borneo and Sumatra



**ACTIVITY 1:** Describe the trends in deforestation between 1985 and 2020. Refer to absolute losses and % change.

Source: <https://awfborneoproject.files.wordpress.com/2012/02/pie-chart2.jpg>

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## SOURCE 2: Forest Fires in Indonesia



Source: Global Forest Watch <https://theaseanpost.com/article/return-indonesias-forest-fires>

**ACTIVITY 2: Draw conclusions** about forests and forest fires on three different Indonesian islands from careful observation of Source 2. Refer to a map to name the three islands.

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## SOURCE 3. Rainforest Deforestation

### ACTIVITY 3

- a. **Create** an appropriate heading for each of the following photographs.
- b. **Annotate** each photograph with relevant information and ideas about rainforests, the atmosphere, hydrosphere, lithosphere and biosphere. Refer to water, carbon and biodiversity where appropriate.



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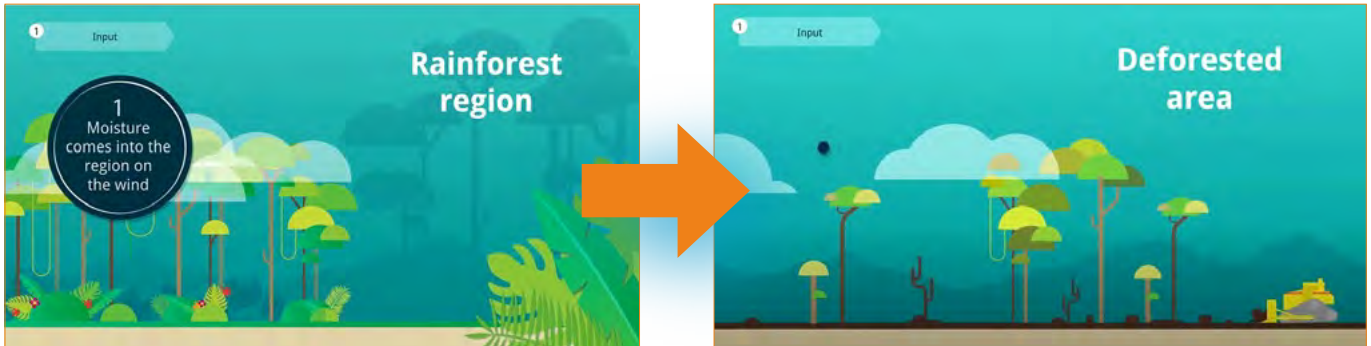
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Images: Shutterstock and Greenpeace Source: <https://www.greenpeace.org.au/what-we-do/protecting-forests/forests-indonesia/palm-oil/>

# VISUAL LITERACY: DEFORESTATION

## SOURCE 4: Tropical Deforestation and The Water Cycle

**Watch** the animated film illustrating the impact of deforestation weather, climate and flood risk in local and downstream areas.



Film <https://www.metlink.org/resource/rainforest-deforestation-the-carbon-water-cycles/>

**ACTIVITY 4: Write** a voiceover for the film, demonstrating your understanding of the concepts involved.

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- **Record** your voiceover to play to another student in your class.
- **Listen** to feedback and adjust your script.

**ACTIVITY 5: Complete** the following sentence based on the film (cross out the wrong information).

*When rainforests are deforested, places downwind are left with **more/ less/ the same amount** of rainfall and **greater/ less/ the same amount** of flood risk.*

**ACTIVITY 6:**

- Look at** [www.globalforestwatch.org/map](http://www.globalforestwatch.org/map) and identify a Tropical region which has experienced deforestation in the last decade. ....
- Look at** [earth.nullschool.net](http://earth.nullschool.net). What is the prevailing wind direction in that region? .....
- Refer to** [www.google.com/maps](http://www.google.com/maps) to write a paragraph explaining how you think the water cycle has been affected by deforestation for a place downwind from the rainforest region you identified.

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Questions adapted from <https://www.metlink.org/resource/rainforest-deforestation-the-carbon-water-cycles/>



