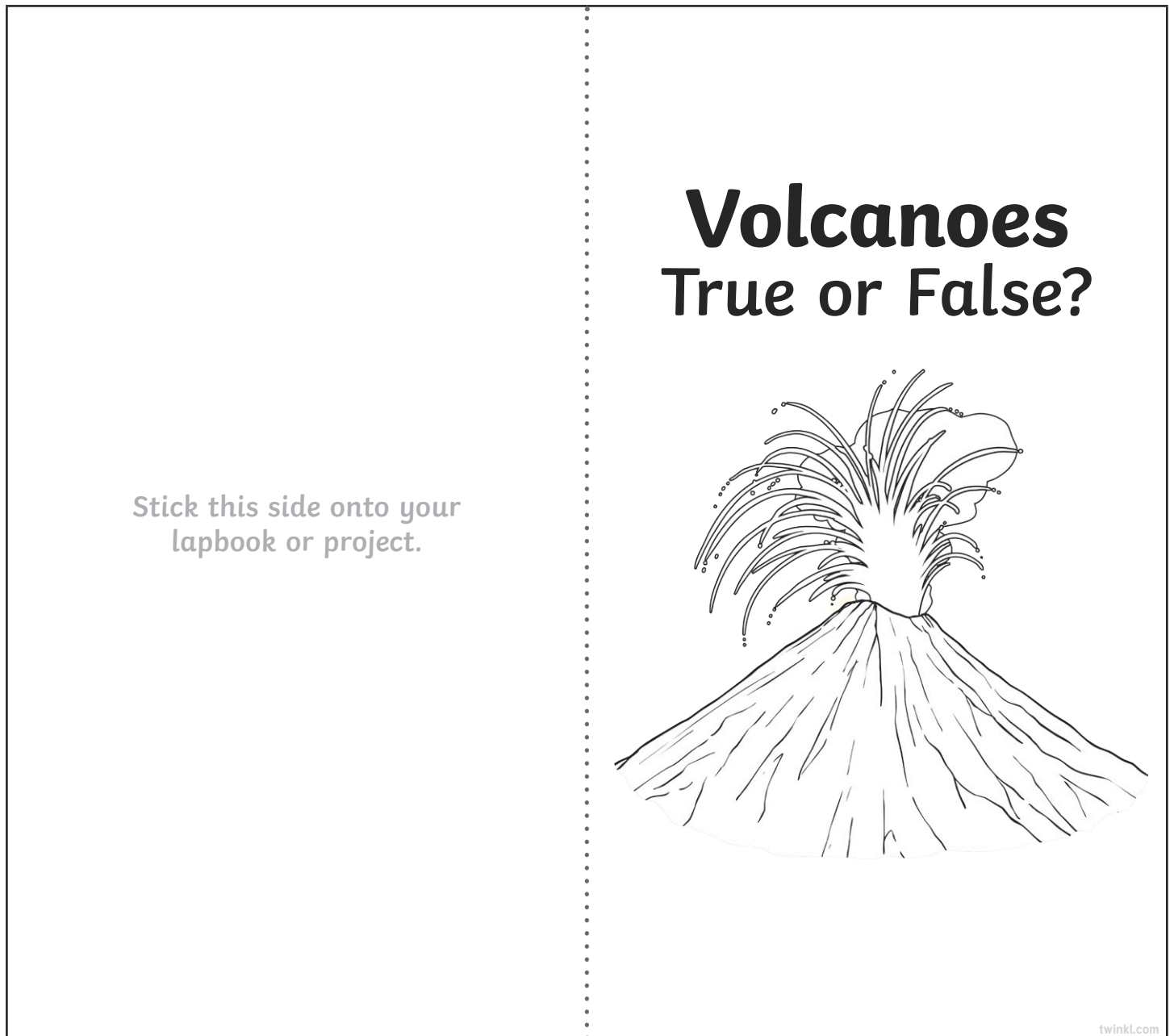
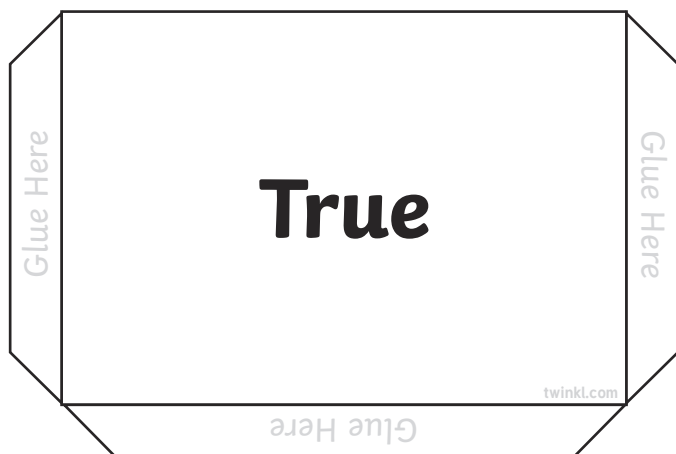


Volcanoes - True or False?

When it comes to volcanoes, how well can you sort fact from fiction?

1. Cut out the mini booklet below and stick it into your project.
2. Cut out both sorting pouches and stick one on each page inside your booklet.
3. Cut out the facts provided and sort them into the pouches according to whether you think the statements are true or false. Research the questions if you need to.
4. Ask someone else to try the sorting activity and share what you have learnt.





The volcanic rock pumice is the only rock that can float in water.

80% of volcanoes are found beneath the seabed.

The biggest volcano on earth is taller than Mount Everest.

The lighter the colour of the lava, the runnier it is.

Researchers have found new species living next to underwater volcanoes.

Tightrope walker Charles Blondin once crossed a volcanic crater on a tightrope.

Earth's moon has several active volcanoes.

Volcanoes can make sunsets appear more beautiful.

Volcanoes are named after the Vulcan bomber plane.

Lava moves too fast for you to be able to run away from it.

Volcanoes – True or False Answers

Statement	True or False?	Extra Information
The volcanic rock pumice is the only rock that can float in water.	True	Pumice is usually grey and full of bubbles which are caused by hot gases moving through lava as it cools.
The lighter the colour of the lava, the runnier it is.	True	Bright orange lava (approx. 1000°C) is much hotter than red lava (approx. 650°C) and flows more freely.
Volcanoes are named after the Vulcan bomber plane.	False	Volcanoes are named after Vulcan – the Roman god of fire. The Vulcan bomber was also named after this Roman god.
80% of volcanoes are found beneath the seabed.	True	Underwater eruptions occur regularly and can create new land masses.
Earth's moon has several active volcanoes.	False	There has been volcanic activity on Earth's moon in the past but there are currently no active volcanoes.
Researchers have found new species living next to underwater volcanoes.	True	Shrimp, worms, crabs, limpets and even sharks have all been found living in close proximity to volcanoes.
Tightrope walker Charles Blondin once crossed a volcanic crater on a tightrope.	False	Tightrope walker Charles Blondin was known for many famous daring stunts, including crossing the Niagara Falls, but he did not cross the crater of a volcano.
The biggest volcano on earth is taller than Mount Everest.	True	Mauna Kea in Hawaii is 10,200 metres tall – making it taller than Mount Everest. However, most of it is underwater so it seems much smaller.
Volcanoes can make sunsets appear more beautiful.	True	For many years after the largest volcanic eruption in human history (Mount Tambora in 1815), volcanic ash had an impact on the clouds and sunsets which can be seen in paintings created during the period.
Lava moves too fast for you to be able to run away from it.	False	Even on a steep slope, lava does not flow any faster than 30 kmph. This means that a human could comfortably outpace a lava over a short distance. On gentler slopes, lava would travel even more slowly.