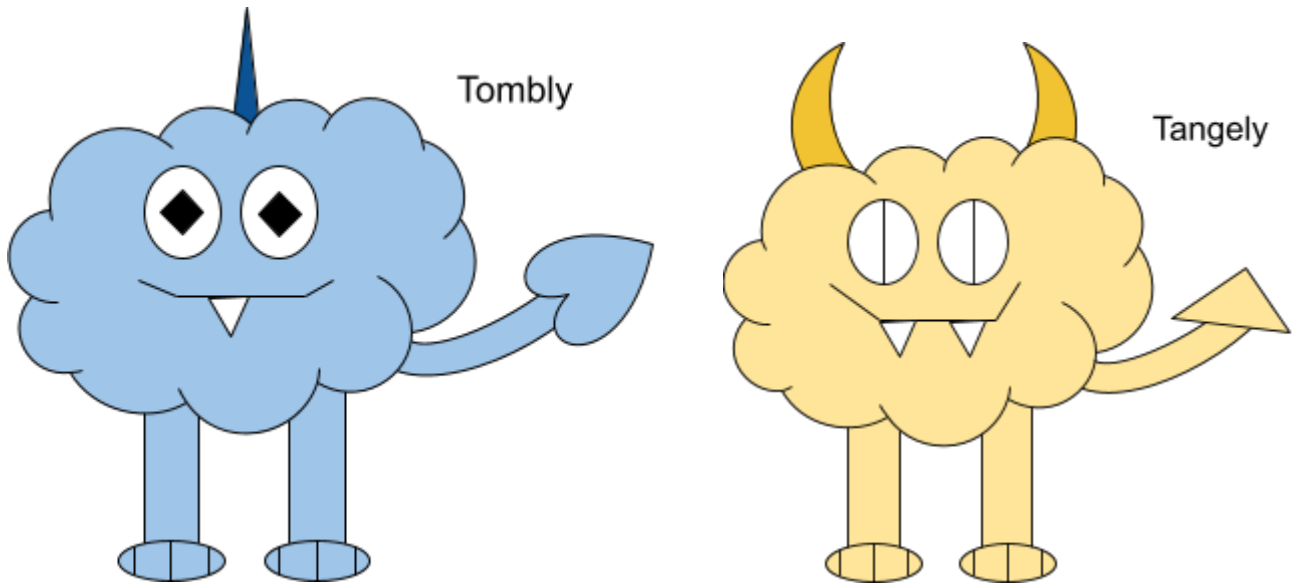


Names: \_\_\_\_\_  
\_\_\_\_\_

**Background:**

In Monster Town, monsters have many unique features. They may have different fur colors, number of horns, or even different tail shapes. It's often said that when a baby monster is born, they usually look like a mix of its parents, but how does that work?

Tombly and Tangely are expecting a baby soon. They are wondering how their little one might look and have come to you for help!



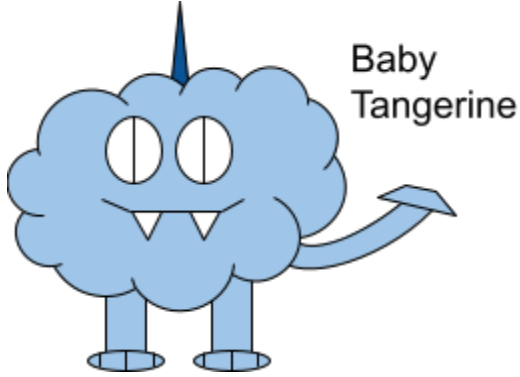
1. What is similar between Tombly and Tangely? What is different?
  
2. Their baby will look like both Tombly and Tangely, but how will the different **traits** from the parents come together? Will they blend together, like how black and white mix together to form grey or will their baby get some from each parent?

**Prediction:** If their baby is a blend of Tombly and Tangely, what will their baby's **traits** be? The first one has been filled in for you.

Traits	Tangely	Tombly	Baby
Teeth	2 teeth	1 tooth	3 teeth
Horns			
Tail Shape			
Color			
Pupil Shape			

**Prediction:** What if each child gets a trait from either parent and they don't mix? Flip a coin for each trait to determine if the baby will **inherit** the genes for a trait from Tombly or Tangely (and look like them). The first one has been done for you.

Traits	Tangely (Heads on coin or even on die)	Tombly (Tails on coin or odd on die)	Baby
Teeth	2 teeth	1 tooth	2 teeth
Horns			
Tail Shape			
Color			
Pupil Shape			



Hooray! Baby Tangerine is born. Tombly and Tangely are so excited to have a little baby. It's also exciting for you, because you can look at your predictions and figure out which one looks the most correct.

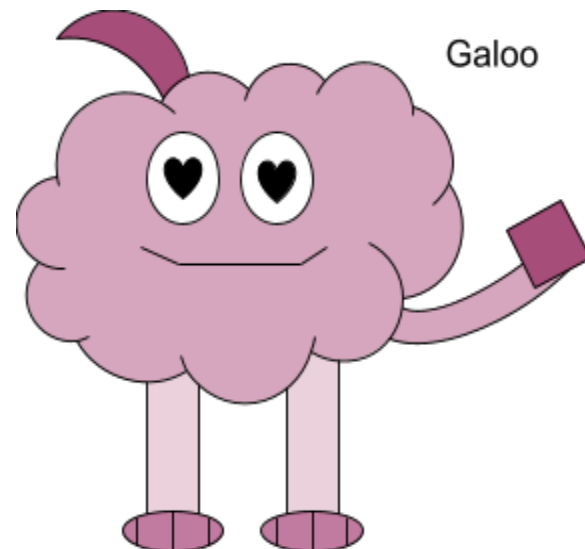
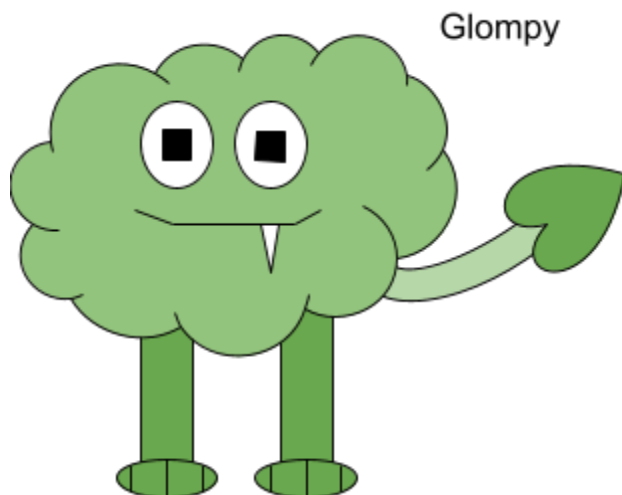
3. Do you think the traits blended or did Baby Tangerine inherit some from Tombly and some from Tangely? Why?

4. What is unique about Baby Tangerine that neither of its parents had?

5. Propose an explanation as to how Baby Tangerine can have unique characteristics that neither of its parents had:

---

To answer your new question, you go and ask Glompy and Galoo, who also recently had a baby.



Galoo lost one of its horns when it was little and fell off its bicycle. This means that having one horn wasn't a trait it got from its parents, but one it **acquired** when it was little. So when Baby Gesundheit was born, Glompy and Galoo weren't very surprised it had two horns, just like how Galoo had when it was a kid.

6. Why do you think Baby Gesundheit doesn't have only one horn like Galoo?

