

When you look through a glass half sphere, it's like looking through a special kind of lens. A lens can change how things look. Let's break it down step by step!

1. **Shape of the Glass:** The glass half sphere is curved, which means it's rounded like the shape of a ball cut in half. This shape can make things appear smaller than they really are.
2. **Distance from Your Eyes:** The fish are actually swimming in water, and the water is already bending the way their light travels. When you look through the glass, it stretches that light even more. This makes the fish look smaller.
3. **Refraction:** This is a big word that means bending light. When light goes through the glass, it bends in a way that can trick your eyes. Your eyes think the fish are farther away, so they seem smaller!
4. **Size of the Fish:** Some fish are naturally small. Even if they look tiny through the glass, they might be little fish swimming happily around!

So, when you look through that glass half sphere, remember that the shape and the way light works together can make the fish look smaller than they really are!