**Four Hard Facts About Mirrors**

1. A fascinating object, where the angle of reflection equals the angle of incidence. The science behind it? When a ray of light hits the mirror, the light ray reflects off its beautiful smooth surface. The atoms behind the glass absorbs incoming light, and in doing so, electrons become excited. But excitement leads to photons being unstable, so they try to become stable again by getting rid of the extra energy.

2. As a fully functional household object, you’ll be conscious about what you notice of yourself. From brushing teeth, plucking elbows, to noticing the unusual. Living by yourself certainly has its downsides, but the best option would be to rely on a mirror, a man’s best friend.

3. Film directors love to make up good old horror stories about mirrors; they are such unique and special objects after all. There’s that popular tale that if someone looks in the mirror, they may be able to see a creature. (spoilers: that person usually doesn’t make it to the end of the movie.)

4. One particular night, you found yourself lying in bed shivering, your forehead covered in a thin layer of sweat after being woken up by certain movements caught on the mirror. For a moment, you thought you could notice further movement from the mirror that was hanging from the wall in front of the bed. It only took half a second to react from immediately recalling Fact 3. The lack of knowledge of the mysterious creature and of inevitable death was what was keeping you awake. In a situation like this, fact 1 was useless, science cannot assist you. Fact 2 can do more harm or good, surprises are not always a good thing. Yet you took one glance at the mirror anyway, hoping to get a bit of reassurance that there was in fact, no creature. There was nothing out of the ordinary, just your fearful eyes glancing back at you. You can’t help but wonder if you were crazy for imagining such things. But then it dawned on you that the creature was in fact right there.