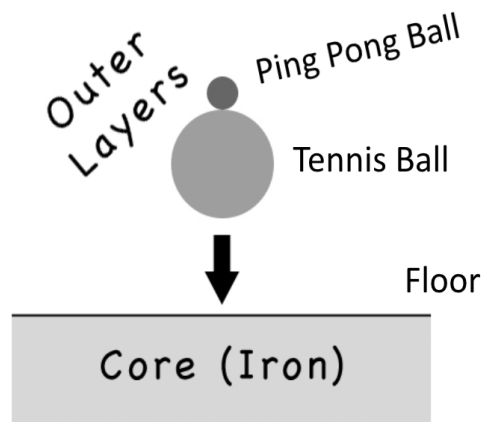
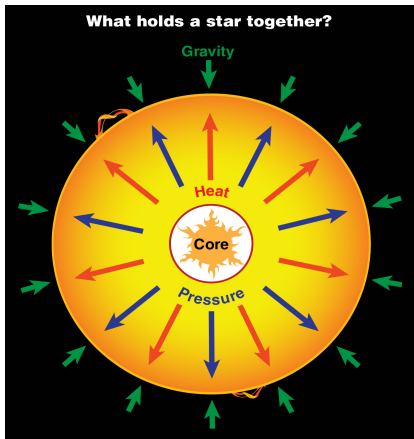
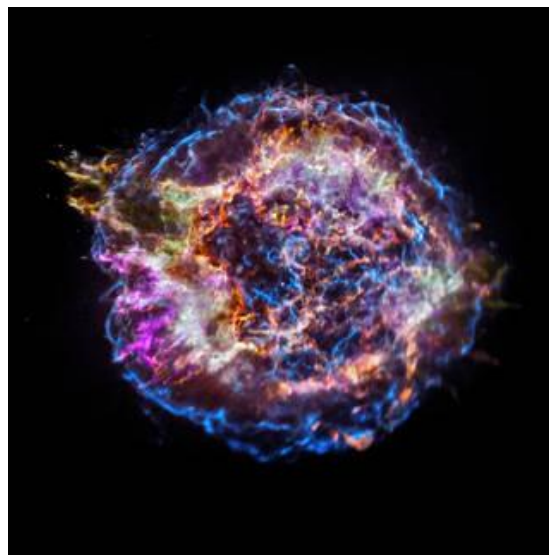


Modeling a Supernova



Credits: NASA Space Place (left), NASA Afterschool Universe (center), NASA HEAT (right)

Drop the balls at the same time, with the balls in contact with one another. You have the option of using one hand or two hands to drop the balls, just make sure they are touching when you drop them, see the far right image above. **First, make a prediction!** How do you think each ball will behave? Record your results.



This image of supernova remnant Cassiopeia A, captured by NASA's Chandra X-ray Observatory, reveals the location of silicon (red), sulfur (yellow), calcium (green) and iron (purple) in the debris. Cassiopeia A lies about 11,000 light-years from Earth. **Credits: NASA/CXC/SAO**