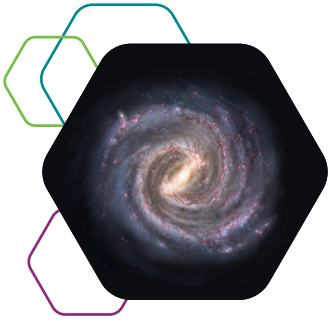


EXPLORING THE UNIVERSE

Star Formation

Can you collect enough matter
to make a massive star?





EXPLORING THE UNIVERSE

Star Formation

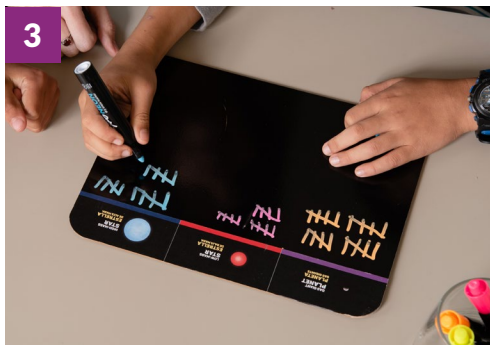
Try this!



Start the 30-second timer. Use the hair dryer to see how much gas and dust—represented by the balls—you can collect in the clear container before the timer runs out.



Space isn't empty. Gas and dust move around in space, sometimes clumping together to form objects.



Pour the balls from the clear container into the measuring tube to see what kind of space object you formed. The more balls collected, the greater the mass. Did you collect enough matter to form a planet? A star?

Record your data. Add a tick mark or sticker to the category of space object you made. How many others made the same object as you? How many made a different object? Check back later—did the relative numbers of objects change throughout the day?