**3D Printing Activity 6-8: Applications of 3D Printing**

A company called icon, created a 3D printer called the Vulcan which can create a full-size 3D printed house! The company is partnering with multiple non-profits to create the world’s first 3D printed housing community to help those in need. Watch the following video and answer the questions on the worksheet to see how 3D printing is positively impacting the world.

Video Link: [The world's first 3D-printed community is officially under construction](https://www.youtube.com/watch?v=gVUlbpZS0Rc)

**Questions:**

1. The Vulcan II 3D Printer can print a house in \_\_**24**\_\_\_\_ hours.
2. The Magma Machine provides ­­­­\_\_\_\_**Material**\_\_\_\_to the Vulcan II to print the house.
3. The company created its own cement mixture called \_**Lava Cream**\_. This material allows the concrete to flow through the hose but also stand up on its own.
4. Icon is partnering is a non-profit called New Story to create the world’s first ­­\_\_**3D Printed Housing Community**\_ located in \_\_\_**Mexico**\_\_\_\_\_\_.
5. Icon is planning on printing \_\_\_**50**\_\_\_ houses using the Vulcan II.
6. Designed for residents who live on an income of \_\_**$3 or less**\_\_ a day.
7. Icon’s goal is to be able to download and 3D print a house in \_\_**24**\_\_\_ hours, for \_\_**half/or 50% of**\_\_\_ the cost. Though they are not there yet, they are steadily working towards that goal.