***Physical side of the internet***

**Task 1**

**Answer the questions**:

1. What is most popular look of the Internet?

One of most popular look of the internet is mobile internet whose we can see in our iphones or android phones. Also, Andrew Blum think that internet is amorphous blob, or it isa silly black box with a blinking red light on it. It is not a real world.

1. Why Hudson 60 has 10 times more network connections then other buildings?

Hudson 60 building has 10 times more networks connecting within it than the next tier of buildings. And 60 Hudson in particular is interesting because it's home to about a half a dozen very important networks, which are the networks which serve the undersea cables that travel underneath the ocean that connect Europe and America and connect all of us.

1. Which country Halifax cable connected with?

Halifax, a cable that stretches from Halifax to Ireland.

1. How did Tata Communications start business?

Tata had gotten its start as a communications business when they bought two cables, one across the Atlantic and one across the Pacific, and proceeded to add pieces onto them, until they had built a belt around the world, which means they will send your bits to the East or the West. They have -- this is literally a beam of light around the world, and if a cable breaks in the Pacific, it'll send it around the other direction. And then having done that, they started to look for places to wire next. They looked for the unwired places, and that's meant North and South, primarily these cables to Africa.

1. How does the cable hold on the water?

Internet cable hold on the water by the beach buoy. The buoy swim on the water and the cable is located on the sea floor.

1. After cable has been stretched over the ocean, what do laborers do on the shore and how much time does it take?

After cable has been stretched over the ocean and then cable have prepear to before connecting it to the other side on the shore, which had been brought down from the landing station. And first they do it with a hacksaw, and then they start sort of shaving away at this plastic interior with a - sort of working like chefs, and then finally they're working like jewelers to get these hair-thin fibers to line up with the cable that had come down, and with this hole-punch machine they fuse it together.

The process on shore takes around three or four days, and then, when it's done, they put the manhole cover back on top, and they push the sand over that, and they all forget about it.

**Task 2**

**True or False, if False say why.**

1. Andrew’s Internet broke because of a squirrel was chewing on it. **TRUE**
2. Google or Facebook are landing stations. **FALSE**.

Landing station is a building that's often tucked away inconspicuously in a little seaside neighborhood. But Google or Facebook is the router of one network whatever is, connecting with usually a yellow fiber optic cable up into the ceiling and down into the router of another network.

1. Cable plugs into the manhole. **TRUE**
2. Andrew’s friend Simon Cooper has its own communication business. **FALSE**. His friend Simon Cooper, who worked for Tata Communications, the communications wing of Tata, the big Indian industrial conglomerate.
3. Peoples pull cable in from specialized cable landing ship. **TRUE**.
4. Process on shore takes around three or four days. **TRUE.**

**Task 3**

**Complete sentences:**

1. What surprised me the most was a large data centers that use as much power as the cities in which they sit, and one of places like this, 60 Hudson Street in New York, which is one of the buildings.

That there are about a half a dozen buildings where networks of the Internet connect to each other.

1. Before listening to this talk, I thought about Internet as network whose link devices worldwide. It is a network of networks that consists of private, public, academic, business, and government networks of local to global scope, linked by a broad array of electronic, wireless, and optical networking technologies. The Internet carries a vast range of information resources and services, such as the inter-linked hypertext documents and applications of the World Wide Web (WWW), electronic mail, telephony, and file sharing.
2. The process of establishing connections between continents is that pulling cables across the floor of the world’s oceans and connected that to landing station whose is a building that's often tucked away inconspicuously in a little seaside neighborhood