NAME_____

# ENGINEERING DESIGN

**Directions:** Using the attached PowerPoint, complete the notes below.

## Slides 32-43

### TYPES OF ENGINEERS

- What is an engineer?

  _____

  _____

- Engineers play an important role in the economy and society.
  - _____

    _____
  - _____

    _____
  - _____

    _____
  - _____

    _____

- There is a significant demand for engineers. They are needed to solve all sorts of problems.
  - Automakers need engineers to help make vehicles more _____ efficient.
  - The government needs engineers to help develop better ways to _____ our national security and to improve our _____ (roads, bridges and buildings).
  - Technology companies need engineers to design better _____, _____ and other electronic devices.
  - Electric companies need engineers to innovate ways to produce _____ energy.
  - Doctors need engineers to develop new _____ treatments and _____ tools.

- Complete the table below with descriptions of different types of engineers.

| Type of Engineer | Description |
|---|---|
| Aerospace Engineer | |
| Agricultural Engineer | |
| Biomedical Engineer | |
| Chemical Engineer | |
| Civil Engineer | |
| Computer Engineer | |
| Electrical Engineer | |
| Environmental Engineer | |
| Mechanical Engineer | |