Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Company: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Which prime movers are better suited to provide high pressure steam?
2. Describe the Impact of run hours on payback on the investment.
3. In the DOE CHP eCatalog, list two of the four thermal outputs and three of the five prime movers available as search functions.   
   [DOE-CHP eCatalog | Welcome](https://chp.ecatalog.ornl.gov/)
4. What are four key configuration factors for CHP to provide uninterrupted operation during a grid outage.
5. CHP provides multiple attributes that increase energy resilience for manufacturers, utilities and communities. One such attribute is that CHP provides a continuous supply of electric and thermal energy. Which of the following additional attributes of CHP support energy resilience.
   1. CHP can be configured to island from the grid and black start without grid power;
   2. CHP can operate without grid power support for multiple days;
   3. CHP enhances grid stability and relieves grid congestion;
   4. CHP supports a hybrid microgrid deployment for balancing renewable power and providing a diverse generation mix;
   5. CHP systems maintains critical facilities such as hospitals and emergency services operating and responsive to community needs;
   6. All of the above
6. When compared to a back-up generation source, CHP systems typically have a higher initial capital cost but over time they represent a better capital investment. Why is that?