Load data from CSV file

In [1]:
```
import pandas as pd
EnrgTempTime = pd.read_csv('entempTime.csv')
EnrgTempTime.shape
```

Out[1]:
```
(866, 3)
```

In [2]:
```
import pandas as pd
EnrgTempTime = pd.read_csv('entempTime.csv')
EnrgTempTime.size
```

Out[2]:
```
2598
```

In [3]:
```
import pandas as pd
EnrgTempTime = pd.read_csv('entempTime.csv')
EnrgTempTime.count()
```

Out[3]:
```
Category       866
Energy         866
Temperature    866
dtype: int64
```

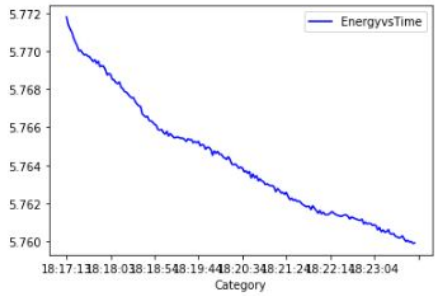
In [ ]:
```

```

Distribution of the classes

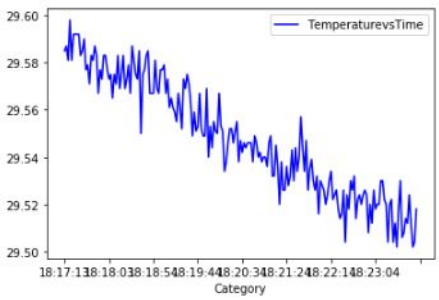
In [4]:
```
EnrgTime = EnrgTempTime[1:200]
EnrgTime.plot(x='Category', y='Energy', color='blue' , label='EnergyvsTime')
```

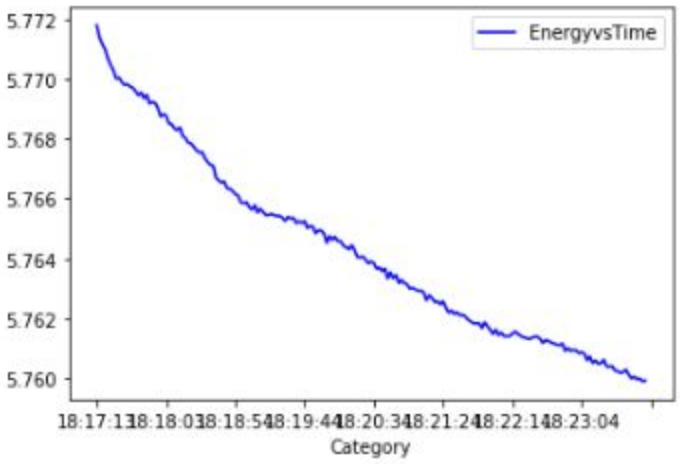
Out[4]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xb356110>
```

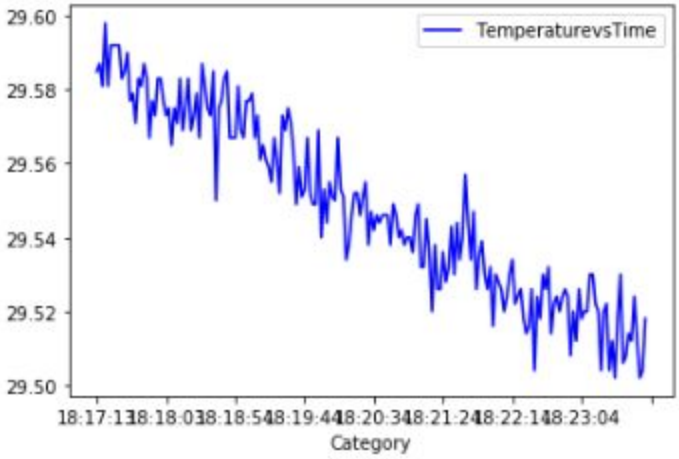


In [5]:
```
TempTime = EnrgTempTime[1:200]
TempTime.plot(x='Category', y='Temperature', color='blue' , label='TemperaturevsTime')
```

Out[5]:
```
<matplotlib.axes._subplots.AxesSubplot at 0xba91510>
```







Identifying unwanted columns

```
In [6]: EnrgTempTime.dtypes
```

```
Out[6]: Category        object
        Energy         float64
        Temperature    float64
        dtype: object
```

Identifying unwanted rows

```
In [7]: import pandas as pd
        EnrgTempTime.dtypes
        EnrgTempTime = EnrgTempTime[pd.to_numeric(EnrgTempTime['Category'], errors='coerce').notnull()]
        EnrgTempTime['Category']=EnrgTempTime['Category'].astype(int)
        EnrgTempTime.dtypes
```

```
Out[7]: Category         int32
        Energy         float64
        Temperature    float64
        dtype: object
```