```python
1  import pandas as pd
2
3
4  def process_data():
5      data = pd.read_excel('l5_data.xlsx',
6                           usecols=['省份/直辖市', '城市/地区',
   '累计确诊', '现存确诊',
7                                    '治愈', '死亡', '
   最长清零天数'])
8      provinces = data.get('省份/直辖市').unique()
9      sum_df = data[['累计确诊', '现存确诊', '治愈', '死亡']].sum
   ()
10     sum_df = sum_df.rename('汇总')
11     print(sum_df)
12     with pd.ExcelWriter('l5_report.xlsx') as writer:
13         sum_df.to_excel(writer, sheet_name='汇总')
14         for p_name in provinces:
15             temp_df = data[data['省份/直辖市'] == p_name]
16             temp_df.to_excel(writer, sheet_name=p_name,
   index=False)
17
18
19
20 process_data()
```