

### Sample Environment Opportunities Worksheet

Please complete this worksheet before the workshop. Feel free to include figures and to complete more than one worksheet.

- 1) Describe an important scientific opportunity that can only be realized through the development of new sample environments used in conjunction with neutron methods. Please estimate the scientific and technological impact of success in addressing this opportunity. (1-3 paragraphs)
  
- 2) Describe the desired characteristic(s) of the sample environment needed to address this scientific opportunity and be sure to associate the sample environment with appropriate neutron spectrometer. (1 paragraph)
  
- 3) Describe the desired characteristic(s) of the neutron instrumentation needed to take advantage of this new sample environment. Include a general description of the class of the instrument (*e.g.*, reflectometer, SANS, NSE). (1 paragraph)