1. Using a two-dimensional picture, illustrate the interaction between the policy update and policy evaluation in the policy iteration algorithm.

2. The Q-learning algorithm is sometimes referred to as an adaptive form of the value iteration policy. Justify the validity of this description.

3. Using the LMS-algorithm, formulate a learning algorithm for the focused neuronal filter of Fig. 13.9 in Haykin's book.

4. How would you design a tapped delay line for a focused time lagged feedforward network?

5. Discuss how the temporal back-propagation algorithm may be used for the training of a distributed TLFN for single-step prediction.