



Disinfection Overview LESSON PLAN

Overview:

This lesson mentions the different types of disinfection methods available, but this module is focused on disinfection by free chlorine and combined chlorine (chloramine) only. Topics include types of disinfection, chlorination, chloramination, and nitrification.

Learning Objectives:

At the completion of this lesson, participants should have the ability to:

- Be able to discuss the purpose and types of disinfection
- Be able to discuss the basics of chlorination and chloramination

Materials Needed:

- PowerPoint presentation
- Participant handouts, pre- and post-tests

Agenda:

Agenda development is based on a 60-minute lesson:

- 15 min – Introduction and types of disinfection: chlorine and chloramines
- 10 min – Free and combined chlorine and chlorine dose
- 5 min – Chlorination Dose Calculation Activity
- 10 min – Monitoring
- 10 min – Nitrification
- 10 min – Applied Discussion

Evaluation:

Pre and post tests will be administered before and after the workshop along with the other lessons' questions.