

## Chapter 1

---

1-7 Buy refillable bottles. Buy rechargeable batteries. Buy bulk items instead on individual serving. Buy powdered products that you add liquid so you have less packaging. Buy products in packaging that can be recycled.

---

1-8 (a) Is the recycled material post-consumer? (b) Buying products made from recycled materials helps to develop markets for the material and post-consumer material has a lower impact on the environmental compared to virgin material. (c) Made from 50% post-consumer recycled material.

---

1-9 Look for answers that reflect reduce, reuse and recycle.

---

1-11 The higher the post-consumer fraction, the greater is the impetus for recycling. Pre-consumer paper is industrial scrap and does not promote recycling.

---

1-14 Figure 1-4 should be redrawn where on the input side, quantity “A” (raw materials) is eliminated and recovery, recycling and industrial scrap components are increased in size to replace “A”. On the output side quantity “B” is eliminated and that material goes to recovery.

---

1-15 The answer to this question depends on the recycling program in your community and on campus.

---

