

## **THE TWO-BIKE RACE**

You have entered into a two-bike race from UNBC to Otway through the Greenway trail system of Cranbrook Hill. The race will require that you pick your own route from START to FINISH, and that you race on both roads and trails. As such, you must have two bikes for the race – a road bike and a mountain bike. However, you have no race support, so you will have to pick the bike you want to start with, and then leave your second bike at a checkpoint somewhere on your chosen race route.

You have been training for this race on both your mountain bike and your road bike and you know that:

- ☐ on your road bike you can travel 26 km/h on roads and 11 km/h on trails.
- ☐ on your mountain bike you can travel 21 km/h on roads and 16 km/h on trails.

Determine what route you want to follow, which bike you want to start with, and at which checkpoint (indicated with letters B – T) on your chosen route you will leave your second bike. YOUR GOAL IS TO HAVE THE FASTEST TIME POSSIBLE.

To help you with this decision you have been provided with the following checkpoint map (see over for larger copy).



