```python
from nndl.layers import *
from utils.fast_layers import *


def conv_relu_forward(x, w, b, conv_param):
  """
  A convenience layer that performs a convolution followed by a ReLU.

  Inputs:
  - x: Input to the convolutional layer
  - w, b, conv_param: Weights and parameters for the convolutional layer

  Returns a tuple of:
  - out: Output from the ReLU
  - cache: Object to give to the backward pass
  """
  a, conv_cache = conv_forward_fast(x, w, b, conv_param)
  out, relu_cache = relu_forward(a)
  cache = (conv_cache, relu_cache)
  return out, cache


def conv_relu_backward(dout, cache):
  """
  Backward pass for the conv-relu convenience layer.
  """
  conv_cache, relu_cache = cache
  da = relu_backward(dout, relu_cache)
  dx, dw, db = conv_backward_fast(da, conv_cache)
  return dx, dw, db


def conv_relu_pool_forward(x, w, b, conv_param, pool_param):
  """
  Convenience layer that performs a convolution, a ReLU, and a pool.

  Inputs:
  - x: Input to the convolutional layer
  - w, b, conv_param: Weights and parameters for the convolutional layer
  - pool_param: Parameters for the pooling layer

  Returns a tuple of:
  - out: Output from the pooling layer
  - cache: Object to give to the backward pass
  """
  a, conv_cache = conv_forward_fast(x, w, b, conv_param)
  s, relu_cache = relu_forward(a)
  out, pool_cache = max_pool_forward_fast(s, pool_param)
  cache = (conv_cache, relu_cache, pool_cache)
  return out, cache


def conv_relu_pool_backward(dout, cache):
  """
  Backward pass for the conv-relu-pool convenience layer
  """
  conv_cache, relu_cache, pool_cache = cache
  ds = max_pool_backward_fast(dout, pool_cache)
  da = relu_backward(ds, relu_cache)
```

```python
    dx, dw, db = conv_backward_fast(da, conv_cache)
    return dx, dw, db
```